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INTEGRATED
Environmental Services, Inc.

Parcel D

Site Investigation and Excavation

Report

Boeing Realty Corporation
C-6 Facility
Los Angeles, California

October 1999

Prepared by
Integrated Environmental Services, Inc.

For
Boeing Realty Corporation



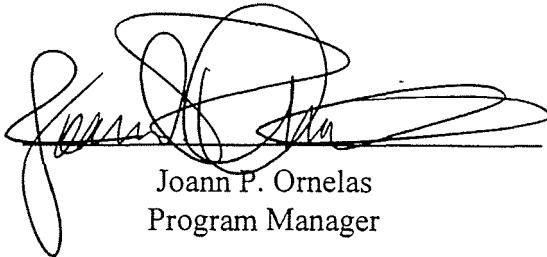
INTEGRATED
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SIGNATURES

PARCEL D SITE INVESTIGATION AND EXCAVATION REPORT
BOEING REALTY CORPORATION C-6 FACILITY
LOS ANGELES, CALIFORNIA

SEPTEMBER 1999

PREPARED BY:

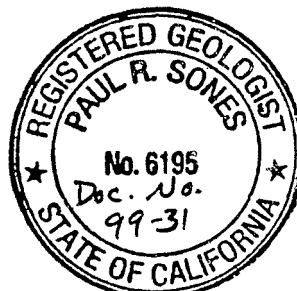


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ACRONYMS

bgs	below ground surface
Cal/EPA	California Environmental Protection Agency
CDM	Camp Dresser McKee, Inc.
CFR	Code of Federal Regulations
COPC	constituent of potential concern
DAC	Douglas Aircraft Company
DQO	data quality objective
DTSC	Department of Toxic Substances Control
EPA	Environmental Protection Agency (U.S.)
HBRG	health-based remediation goal
IESI	Integrated Environmental Services, Inc.
KJ	Kennedy/Jenks Consultants
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyl
PLANCOR	Defense Plant Corporation
QA/QC	Quality assurance/quality control
RWQCB	Regional Water Quality Control Board
SAP	sampling and analysis plan
STLC	soluble threshold limit concentration
SVOC	semi-volatile organic compound
TCLP	toxicity characteristic leaching procedure
TPH	total petroleum hydrocarbon
TTLC	total threshold limit concentration
USA	underground services alert
VOC	volatile organic compound
WET	waste extraction test



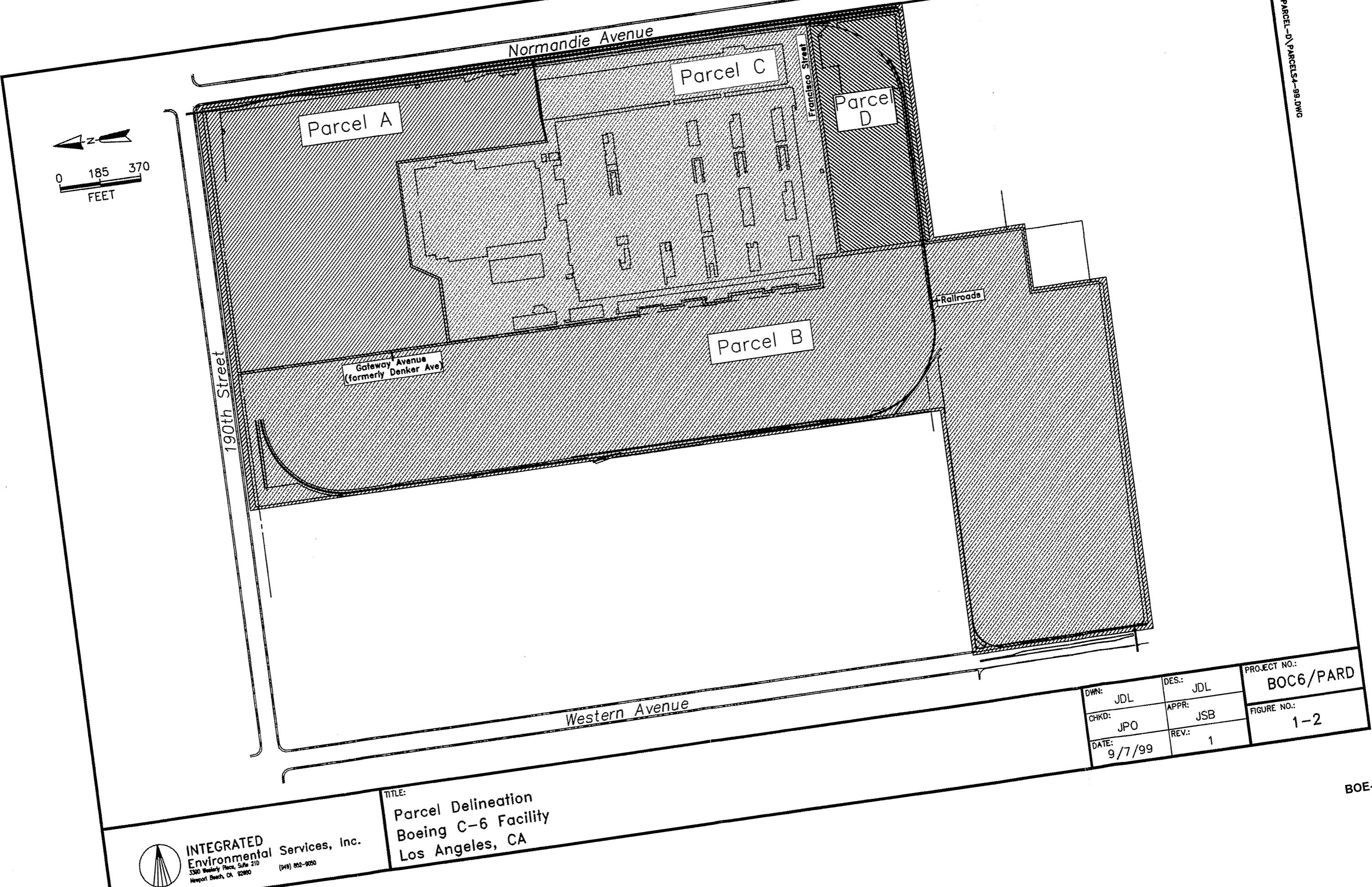
1. INTRODUCTION

This report presents the approach, methods, and results of the Site Investigation and Excavation program conducted at Parcel D of the Boeing C-6 facility in Los Angeles, California. The site sampling was conducted in June and soil excavation in July 1999.

The 170-acre C-6 facility (Figure 1-1) has been used in the manufacture, storage and distribution of aircraft parts and components for over 45 years. Although storage and distribution operations are still active in the eastern portion of the facility, the northeastern, western and southern portions of the property are being redeveloped for commercial use. As shown in Figure 1-2, the site has been divided into four parcels.



FIGURE 1-1
C-6 FACILITY AND VICINITY



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TITLE:
Parcel Delineation
Boeing C-6 Facility
Los Angeles, CA

DWL:	JDL	DES:	JDL
CHKD:	JPO	APPR:	JSB
DATE:	9/7/99	REV.:	1

PROJECT NO.:
BOE6/PARD
FIGURE NO.:
1-2



Redevelopment of the northeastern portion of the property, Parcel A, began in 1996 and is ongoing. Boeing sold this parcel in December 1998. Redevelopment of the western portion, Parcel B, began in 1998 and is ongoing. Parcel C occupies the eastern portion of the property and the majority will be redeveloped at a later date. However, because the southernmost portion of Parcel C has historically been used for parking and outdoor storage, and because the area has recently become available for redevelopment, this area has been divided into a separate parcel, and referred to as Parcel D. As mentioned, the focus of this report is the 9-acre Parcel D.

Phase I environmental assessments have been conducted for all parcels comprising the C-6 facility (CDM 1991a, K/J 1996a, b, c), and Phase II soil investigations have been conducted for the two parcels currently undergoing redevelopment (CDM 1991b, K/J 1997 and 1998). It is important to note that for Parcels A and B, the environmental investigations and remediation of surface soils (top 12 feet) are complete. In April 1998, a No Further Action certification for Parcel A was issued by the California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control (DTSC) and Regional Water Quality Control Board (RWQCB). A certification for Parcel B is expected by October 1999.

A sampling and analysis plan (SAP) was prepared for the Parcel D site investigation (IESI 1999e) and was approved by the Los Angeles RWQCB, the lead regulatory agency for the site (RWQCB 1999b).

1.1 SAMPLING OBJECTIVES

The objectives of the Parcel D sampling and analysis program were to characterize soil conditions, support future remediation (if deemed necessary), and support a post-demolition risk assessment of potential health risks to future users of the redeveloped parcel. These objectives were accomplished through the data quality objectives (DQOs) established for this project:

- Identify and delineate potential source areas as they relate to former operations.
- Develop sufficient data to support potential remediation.



- Evaluate the horizontal extent and vertical depth of impacted soil to facilitate the post-demolition risk assessment.

1.2 DOCUMENT ORGANIZATION

This report has been organized into eight sections and six appendices.

Section 1, *Introduction*, gives the purpose and organization of the report.

Section 2, *Site Description*, describes the areas of Parcel D that were sampled during the site investigation.

Section 3, *Site Investigation Program*, discusses the sampling approach, indicating where the soil samples were collected and the rationale for collecting the samples. The chemical analyses performed are also presented.

Section 4, *Soil Sampling and Analytical Methods*, describes the soil sampling program and analytical methods implemented during the site investigation.

Section 5, *Site Investigation Findings*, presents the findings of the site investigation and discusses the results.

Section 6, *Excavation Program*, presents the soil excavation and disposal activities.

Section 7, *Conclusions*, presents conclusions drawn from the site investigation findings and excavation activities.

Section 8, *References*, lists the documentation cited in this report.

Appendix A, *Site Geology and Soil Boring Logs*, presents the site geologist's observations, field investigation daily reports, and boring logs from the site investigation.



Appendix B, *Health-Based Remediation Goals*, presents the internally developed and self-imposed health-based remediation goals for the site. These conservative values have been used for screening purposes only, to identify areas of potential concern. They do not represent final cleanup levels.

Appendices C, D, and E present the laboratory reports for the site investigation, arsenic delineation, and arsenic excavation confirmation sampling, respectively.

Appendix F presents the laboratory reports for the air monitoring samples collected during the excavation activities.



2. SITE DESCRIPTION

Located at 19503 South Normandie Avenue in Los Angeles, California, the C-6 facility is bordered by 190th Street to the north, Normandie Avenue to the east, 203rd Street to the south, and Western Avenue to the west (Figure 1-1). The 170-acre property has been divided into four parcels, as shown in Figure 1-2. Parcel D, the subject of this report, forms the southeastern portion of C-6 and is bordered by industrial sites.

Parcel D has been used primarily for employee parking since the Douglas Aircraft Company (DAC) began operating the facility in 1952. Areas within the parcel believed to be of "environmental interest" were identified for further assessment and possible sampling and analysis to determine the presence or absence of contamination. These areas, Buildings 59 and 59A and the storage yard, are described below and presented in Figure 2-1.

2.1 BUILDINGS 59 AND 59A

Building 59 served as the support office for the truck weighing station. A spring-mounted truck scale was located immediately north of the building. The scale readout and office equipment were inside the building. This building was constructed of corrugated metal sheets with concrete flooring. The truck scale was elevated approximately 2 inches and the building floor approximately 5 inches above the ground. Prior to its demolition in June 1999, an inspection of the building was conducted, and the concrete surrounding the scale was found to be in good condition with no obvious cracks or weathering. No items of concern were identified in or around Building 59 (IESI 1999e).

After 1997, Building 59A was used to store hazardous waste such as asbestos piping, waste solvents, old paint, and fluorescent lamps. Prior to 1997, the building was used as an equipment maintenance garage. Like Building 59, this building was constructed of corrugated metal sheets with concrete flooring. Building 59A remained locked at all times.

NORMANDIE AVE

BUILDING #2

BUILDING #2

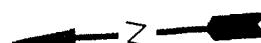
BLDG #3

► Montrose M/W/8

Parcel C

FRANCISCO STREET

EMPLOYEE PARKING



N

Parcel B

Boeing C-6 Facility

Los Angeles, CA

0 75 150 FEET

Parcel D

TITLE:
Parcel D
Boeing C-6 Facility
Los Angeles, CA

BOE-C6-0007819

PROJECT NO.:
BOC6\PDSIR

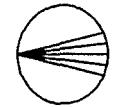
FIGURE NO.:

2-1

DWN:	JDL	DES.:	JDL
CHK:	JFH	APPD:	JPO
DATE:	08/18/99	REV.:	1
			2-1

BOE-C6-0007819

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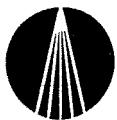


The storage containers were well maintained and exhibit proper labeling. Prior to its demolition in June 1999, an inspection of the building was conducted, and the concrete flooring was found to be in good condition with no visible signs of cracks or weathering. A concrete berm surrounded the building (IESI 1999e).

2.2 STORAGE YARD

The storage yard was covered with asphalt paving and had been used to store miscellaneous materials and equipment such as airplane parts, steel beams and pipes, cement parking pylons, cinder blocks, and tires. A light tower (with a dry transformer) and a water tank stood in the center of the yard, and a trash compactor was in the southern portion of the yard. The trash compactor sat on a concrete pad, which is raised approximately 1 inch above the ground, and was surrounded by a concrete berm on three sides and an access ramp on one side. During the inspection conducted in June 1999, oil staining was visible on the compactor and the concrete pad. No staining was observed in the ramp area. The concrete pad appeared to be in good condition (IESI 1999e).

An asphalt-paved parking lot was immediately west of the storage yard. This parking lot had been used for employee parking since the 1940s.



3. SITE INVESTIGATION PROGRAM

This section details the site investigation program implemented at Parcel D. The Parcel D site investigation was conducted in accordance with the approved Parcel D Sampling and Analysis Plan (SAP) dated May 9, 1999 (IESI 1999e). The investigation consisted only of soil sampling. Sampling locations and chemical analyses were selected based on a review of past operations and land uses of the area.

The soil boring logs and geologic observations made during the site investigation are presented in Appendix A. Details of the sampling program follow.

3.1 SAMPLE LOCATIONS

Soil samples were collected from predetermined locations within Parcel D, based on past or present operations, and the samples were analyzed for constituents of environmental interest related to those operations. The analytical data collected were used to meet the objectives specified in Section 1.

The areas identified for potential environmental concern in Parcel D included Building 59A and the Storage Yard. The soil boring locations collected at these areas and the sampling rationale are presented below.

3.1.1 Building 59A

Building 59A, which is in the north-central section of the parcel, was used as a maintenance facility before being converted to a hazardous-waste storage facility. According to a 1986 drawing, a 1,000-gallon "drainage tank" was located directly northwest of this building. The



drawing did not indicate the tank's contents or whether it was above or below ground. No other historical activities of concern have been identified at Building 59A.

Based on the historical and current usage of the building, soil samples were collected to assess any potential impacts (Figure 3-1). In Building 59A, one boring was advanced outside the northwest corner and one inside the building; samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), and metals. Details concerning soil sampling are presented in Section 3.2.

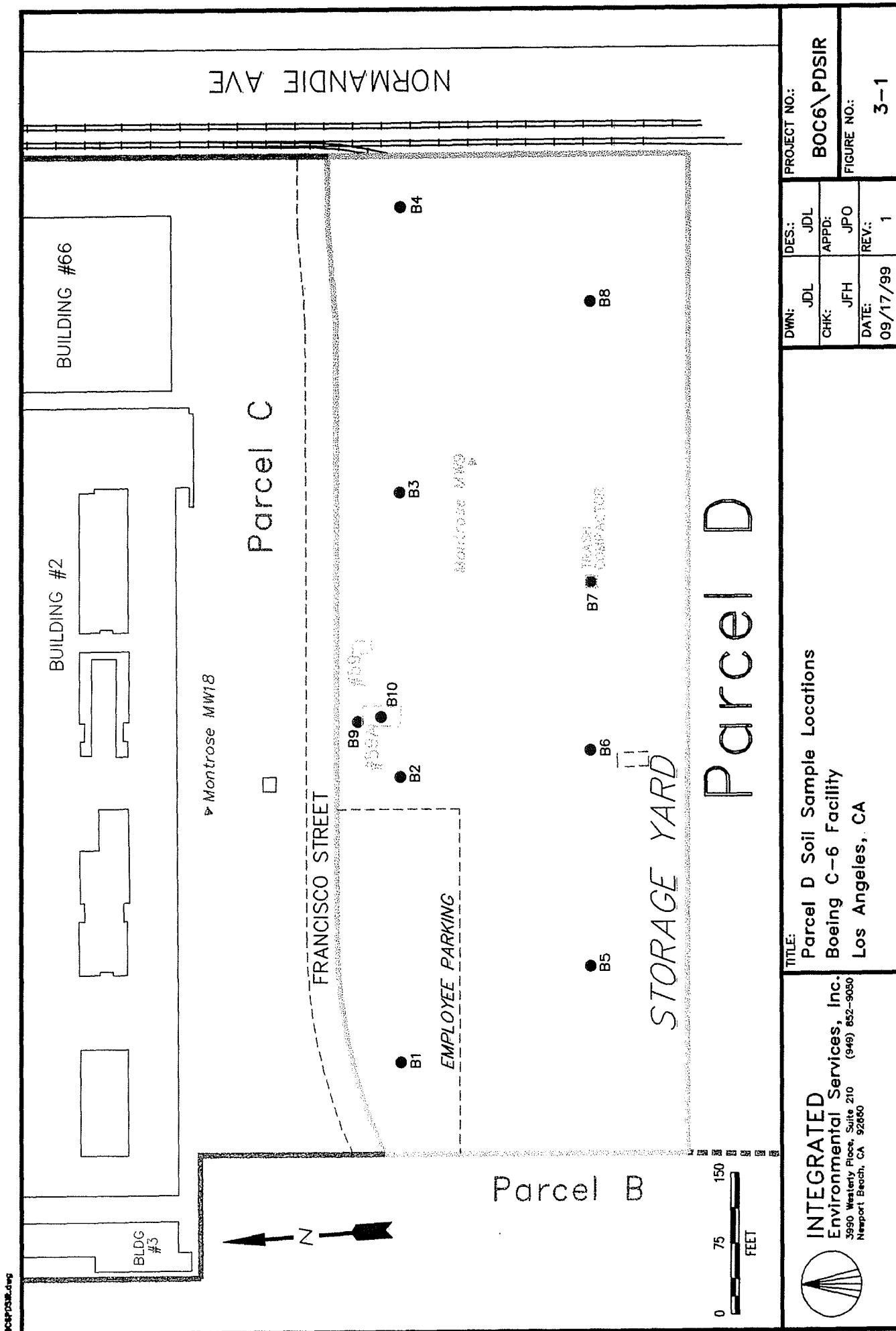
3.1.2 Storage Yard

The storage yard housed airplane parts, scrap metal, several empty storage bins, a water tank, a light tower with transformer, and a trash compactor. The transformer had a blue label indicating it had been tested and certified as not containing PCBs.

Due to the historical storage of miscellaneous equipment and materials, eight soil borings were advanced throughout the storage yard to assess any potential impacts from current or historical activities (Figure 3-1). One of the eight borings (B7) was advanced at the location of the trash compactor. Soil samples were analyzed for VOCs, SVOCs, TPH, and metals. Details concerning soil sampling are presented in Section 3.2.

3.2 SOIL SAMPLING AND ANALYSIS

Soil samples were collected at the locations described in Section 3.1 to evaluate whether operations-related constituents were present in those areas. Samples were collected from borings at specific locations and depths as discussed below. Borings were not advanced to depths greater than 25 feet bgs. The depth to groundwater at the site is approximately 65 feet bgs and therefore was not impacted by the soil boring activities.





Since most of the parcel had historically been used for storage and employee parking, a staggered sampling approach was used so that soil sample locations would be representative of previous site uses. As shown in Figure 3-1, the sampling approach consisted of placing two staggered rows of borings spaced approximately 200 feet apart, with the individual borings spaced approximately 300 feet apart. Sample results were compared to the Health-Based Remediation Goals (HBRGs) for surface soils (IESI 1997) to determine whether soils had been impacted by past operations.

It is important to note that the HBRG values have not been approved by DTSC as site cleanup goals and are used only for internal, soil-screening purposes. The use of these values does not guarantee DTSC approval of soil closure and are used at Boeing's own risk. It is understood by all parties that the findings of a parcel-specific, post-demolition risk assessment will establish whether Parcel D requires further remediation. The HBRGs are presented in Appendix B.

The following provides the details for the sampling and analysis of Parcel D. The details discussed include the sample location, number of borings, number of samples and sampling depths, and required laboratory analyses.

3.2.1 Building 59A

Before soil borings were advanced in Building 59A, the structure and foundation were removed. The sampling approach involved advancing two borings to a depth of 15 feet bgs and collecting soil samples at depths of 6 inches and 5, 10, and 15 feet. Eight soil samples were submitted to the laboratory and analyzed for VOCs, SVOCs, TPH, PCBs, and metals. One boring was advanced at the location of the former tank and one in the center of the waste storage area.

Table 3-1 summarizes the sampling and chemical analyses conducted at each location, while Figure 3-1 presents the sampling locations.



3.2.2 Storage Yard

The sampling approach for the storage yard involved advancing eight borings to a depth of 25 feet bgs and collecting soil samples at depths of 6 inches and 5, 10, 15, and 25 feet. Forty soil samples were submitted to the laboratory; however, only those samples collected between 6 inches and 15 feet bgs, and six samples collected at 25 feet bgs (from borings B1, B2, B4, B5, B7, and B8), were analyzed for VOCs, SVOCs, TPH, pesticides, and metals. The remaining two samples collected at 25 feet bgs (B3 and B6) were placed on hold at the laboratory, but since the concentrations detected in the associated 15-foot sample did not exceed the HBRGs, they were not analyzed.

TABLE 3-1
SOIL SAMPLING SUMMARY

Location	No. Borings	No. Sample Locations and Depths	No. Samples Analyzed	Chemicals Analyzed
Building 59A	2	8 at 6 in., 5, 10, & 15 ft	8	VOCs, SVOCs, TPH, PCBs, metals
Storage Yard	8	40 at 6 in., 5, 10, 15, & 25 ft	38*	VOCs, SVOCs, TPH, pesticides, metals

Note:

*Two soil samples collected at 25 feet bgs at borings B3 and B6 were not analyzed because concentrations detected in the associated 15-foot sample did not exceed the HBRGs.

Although there is no pesticide use in the history of operations at the C-6 facility, pesticides were manufactured at the Montrose Chemical facility located directly south of Parcel D. Therefore, the potential impacts of pesticides on the C-6 facility were assessed.

3.3 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

Standard laboratory quality assurance/quality control (QA/QC) procedures were followed to ensure the quality of the analytical results obtained from all soil samples. In addition, four types of field QA/QC samples were collected and analyzed:



- Trip blanks
- Field blanks
- Equipment rinsates
- Field duplicates

Trip blanks were included with each cooler of samples shipped to the laboratory. The trip blank samples were analyzed for VOCs.

One field blank sample was collected from the water source used to decontaminate the field equipment. The field blank was analyzed for VOCs, SVOCs, TPH, PCBs, and metals.

One equipment rinsate sample was collected by pouring deionized water over and through the sample collection equipment after the equipment's final decontamination rinse and collecting the water in appropriate bottles. The equipment rinsate sample was analyzed for VOCs, SVOCs, TPH, PCBs, and metals.

Two field "duplicate" soil samples were collected by taking adjacent Tenite sleeves. The "duplicate" samples were analyzed for VOCs, SVOCs, TPH, PCBs, pesticides, and metals.

3.4 UTILITY SURVEY

Before any sampling or other intrusive activities were begun, a utility location survey was conducted to identify subsurface structures that may have impeded boring at the proposed sampling locations.

The proposed soil boring locations were marked at the site with stakes and flags. Prior to geophysical screening, site utility maps were reviewed. Underground Service Alert (USA) was given a request for utility clearance. After clearing the site with USA, the proposed soil boring locations were geophysically screened to further reduce the potential for encountering unknown, buried structures or subsurface utility lines. Selecting locations for some of the borings was complicated by the presence of demolition equipment, demolition activity, and partially



demolished structures. Only minor adjustments were made to the proposed locations. In general, the locations of the borings correspond well with the locations proposed in the SAP. The final locations are shown in Figure 3-1.

3.5 LAND SURVEY

The soil sampling locations were surveyed by a registered land surveyor using horizontal accuracies of ± 0.1 feet. The surveyor generated a scaled base map of the site showing the locations of all surveyed features.



4. SOIL SAMPLING AND ANALYTICAL METHODS

This section describes the soil sampling, handling, and analytical methods employed during the site investigation. The methods were implemented in accordance with the approved Parcel D SAP (IESI 1999e).

4.1 SOIL SAMPLING

Field activities began with the selection of sampling locations for surface soils and a geophysical survey at locations of subsurface investigation, as detailed in Section 3.

Subsurface soils were sampled using direct-push drilling methods. The push technology uses a truck-mounted, hydraulically driven sampler that allows penetration and standard sampling, thus minimizing generation of drill cuttings. The sampler for the push tool was fitted with 2-foot-long, 1-inch-diameter Tenite sleeves. Minimal cuttings were generated using this equipment. The boreholes were backfilled with a cement-bentonite grout. To minimize cross-contamination, the sampling equipment was decontaminated prior to each sample collection. Ten borings were advanced throughout Parcel D (see Figure 3-1 in Section 3).

4.2 SAMPLE IDENTIFICATION AND DESIGNATION

All samples collected in Parcel D were assigned a unique identification number. This number was used on all documentation relating to the collection, handling, analysis, and reporting of the analytical results of each sample. Since a sample is normally analyzed for several different chemical constituents or parameters, each requiring different sample containers and preservation techniques, the same sample identification number was assigned to each portion of the original sample split among the containers. The method of sample identification depended on the type of measurement taken or analysis performed.



Samples were numbered in consecutive order as they were collected. Duplicate samples were assigned the same number as the original, appended with a "D." The following template was used:

ParD-Bx-y-z

where

ParD = Parcel D
Bx = boring identification (e.g., B1)
y = sample number for boring identification (sequentially numbered samples collected from each boring, e.g., 1, 2, 3)
z = sample depth (expressed in feet below ground surface)

For example, the second soil sample collected from the fourth soil boring at a depth of 5.5 feet bgs in Parcel D was designated ParD-B4-2-5.5. The first sample from the same boring at a depth of 1.5 feet bgs was designated ParD-B4-1-1.5.

Quality Control (QC) samples were designated as follows and numbered sequentially:

- Trip Blank-#
- Field Blank-#
- Rinsate-#

Labels provided by the laboratory were affixed to each sample collected. Each contained the following information:

- Project name and location
- Project number
- Sample identification number
- Date and time of collection
- Name or initials of sampler
- Analyses to be performed



5. SITE INVESTIGATION FINDINGS

This section presents the results of the Parcel D site investigation. As part of a self-imposed program to identify areas of potential concern, the analytical results were compared to a set of health-based remediation goals (HBRGs) developed for the site (IESI 1997). The HBRGs were calculated following standard guidance for development of risk-based remediation goals as promulgated by the U.S. EPA and Cal/EPA. These receptor- and chemical-specific values were back calculated based on future site conditions, land-use scenarios, and aggregate risk levels deemed acceptable by the regulatory agencies. The HBRGs have been used for screening purposes during demolition to enhance the effectiveness of field activities.

As previously stated, it is important to note that these HBRG values have not been approved by the Department of Toxic Substances Control (DTSC) as site cleanup goals and were used only for internal, soil-screening purposes during demolition. The use of these values does not guarantee DTSC approval of soil closure and were used at the owner's risk. It is understood by all parties that the findings of the post-demolition health risk assessment will establish whether Parcel D requires remediation. The HBRGs are presented in Appendix B.

During the Parcel D site investigation, approximately 44 soil samples were submitted for chemical analysis. Table 5-1 summarizes the chemicals detected, minimum and maximum detected concentrations, and frequency of detection. The analytical results are discussed below.

5.1 BUILDING 59A

Before soil borings were advanced in Building 59A, the structure and foundation were removed. The sampling approach involved advancing two borings to a depth of 15 feet bgs and collecting soil samples at depths of 6 inches and 5, 10, and 15 feet. One boring (B9) was advanced at the location of the former tank, the other (B10) in the center of the waste storage area.

TABLE 5-1
SUMMARY OF DETECTIONS
C-6 FACILITY, PARCEL D

Parameter	Min. Detected Concentration (1) ($\mu\text{g}/\text{kg}$)	Max. Detected Concentration (2) ($\mu\text{g}/\text{kg}$)	Frequency of Detection (3)	HBRG (4)
<u>Volatile Organic Compounds ($\mu\text{g}/\text{kg}$)</u>				
chloroform	2.5	330	21/45	1.49E+05
cis-1,2-dichloroethene	5	5	1/45	1.34E+03
tetrachloroethene	4.9	47	11/45	3.36E+05
total xylenes	6.2	6.2	1/45	3.26E+07
<u>Semi-Volatile Organic Compounds ($\mu\text{g}/\text{kg}$)</u>				
anthracene	100	100	1/46	4.06E+03
benzo(a)anthracene	120	170	2/46	1.14E+01
bis(2-ethylhexyl)phthalate	880	880	1/46	2.10E+06
chrysene	140	190	2/46	1.14E+02
fluoranthene	210	320	2/46	2.10E+06
phenanthrene	150	290	2/46	NA
phenol	120	1500	11/46	1.04E+06
pyrene	200	290	2/46	2.35E+03
<u>Pesticides ($\mu\text{g}/\text{kg}$)</u>				
4,4'-DDD	4.9	4.9	1/45	1.03E+02
4,4'-DDE	7.7	26	2/45	7.28E+01
4,4'-DDT	3.5	4.8	2/45	1.22E+04
Endrin	2.2	2.2	1/45	7.33E-00
<u>Metals (mg/kg)</u>				
arsenic	3.6	18	45/45	1.40E+01
barium	37	220	45/45	2.52E+03
beryllium	0.51	0.89	42/45	1.56E+01
cadmium	0.53	3.6	3/45	1.64E+01
chromium (total)	11	34	45/45	9.73E+01
cobalt	4.7	15	45/45	2.00E+01
copper	8.6	69	45/45	1.26E+03
lead	2.5	19	45/45	1.11E+02
molybdenum	1	1.3	2/45	1.24E+03
nickel	9.5	26	45/45	2.39E+02
vanadium	29	71	45/45	8.37E+01
zinc	23	1000	45/45	8.73E+03

Boldface indicates the HBRG has been exceeded.

NA = Not available

Notes:

(1) Minimum concentration detected above the method detection limit.

(2) Maximum concentration detected above the method detection limit.

(3) Frequency of detection represents the total number of samples in which the constituent was positively detected over the total number of samples analyzed for that specific analyte.

(4) Health-based remediation goal (HBRG) developed specifically for the C-6 facility, Los Angeles, CA (IESI 1997).



Eight soil samples were submitted to the laboratory and analyzed for VOCs, SVOCs, TPH, PCBs, and metals. The results are presented in Tables 5-2 and 5-3. The laboratory reports for the site investigation samples are included in Appendix C.

No VOCs, SVOCs, TPH, PCBs, or metals were detected above the HBRGs in borings B9 or B10.

5.2 STORAGE YARD

The sampling approach for the storage yard involved advancing eight borings to a depth of 25 feet bgs and collecting soil samples at depths of 6 inches and 5, 10, 15, and 25 feet. Prior to the collection of the samples, the asphalt used for the storage yard and parking area was pulverized due to scheduling concerns and to facilitate the collection of the samples. Thirty-six soil samples were submitted to the laboratory analyzed for VOCs, SVOCs, TPH, pesticides, and metals. Two additional samples collected at 25 feet bgs were submitted for SVOC analysis because concentrations were detected in the associated 15-foot sample, however, none were above the HBRG.

Since no detections were observed in the 15-foot samples of the remaining two sets placed on hold (B3 and B6), no further analysis was conducted. No VOCs, SVOCs, TPH, or pesticides were detected above the HBRGs. Only a single metal at a single location was identified as exceeding the HBRG.

Arsenic was detected at a concentration of 18 mg/kg in the 0.5-foot sample in B3. The HBRG for arsenic is 14 mg/kg. Tables 5-2 and 5-3 present the detected concentrations for borings B1 through B8. The laboratory reports for the site investigation samples are presented in Appendix C.

The following section details the procedures followed in determining the extent of the arsenic contamination.

TABLE 5-2
ORGANIC CHEMICALS DETECTED IN SOIL
C-6 Facility, Parcel D Site Investigation, June 1999

Boring No.	Depth (feet)	VOCs						SVOCs						Pesticides					
		EPA Method 8260		EPA Method 8270		EPA Method 8270		EPA Method 8080		EPA Method 8270		EPA Method 8270		EPA Method 8080		EPA Method 8270			
		Chloroform	cis-1,2-Di chloroethene	Tetrachloro-ethene	Total Xylenes	Anthracene	Benz(a)anthracene	Bis(2-ethyl hexyl) phthalate	Chrysene	Fluoranthene	Phenanthrene	Phenol	Pyrene	4,4'-DDD	4,4'-DDE	4,4'-DDT	Endrin		
B1	0.5	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	0.5	130	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B2	5	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND		
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B3	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B4	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	0.5	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B6	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	9.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	0.5	3.5	ND	7.1	ND	100	ND	170	ND	190	ND	320	ND	290	ND	7.7	ND		
B7	5	10	5	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	16	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	260	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	330	ND	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	0.5	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	86	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B8	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10D	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B9	0.5	37	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	40	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	0.5	50	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	5	17	ND	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
B10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	10D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

Notes:
ND = not detected
NA = not analyzed

TABLE 5-3
INORGANIC CHEMICALS DETECTED IN SOIL
C-6 Facility, Parcel D Site Investigation, June 1999

Boring No.	Depth (feet)	Title 22 Metals										Nickel	Vanadium	Zinc
		Arsenic	Barium	Beryllium	Cadmium	Total Chromium	Cobalt	Copper	Lead	Molybdenum	ND (mg/kg)			
B1	0.5	7	130	0.56	ND	18	9.3	24	2.7	ND	14	37	64	
	5	7.7	130	0.78	ND	29	13	31	7.1	ND	23	59	66	
	10	6.2	120	0.51	ND	23	10	23	4.2	ND	15	46	50	
	15	6.7	160	0.74	ND	27	12	31	5.6	ND	20	59	69	
	25	12	37	ND	ND	11	4.7	8.6	2.5	1	9.5	29	23	
B2	0.5	5.6	180	0.89	ND	26	10	14	5.4	ND	18	52	44	
	5	6.3	170	0.71	ND	26	15	28	5.5	ND	22	57	71	
	10	6.3	220	0.56	ND	22	10	24	4.6	ND	20	49	52	
B3	15	8.1	180	0.82	ND	31	15	38	6.7	ND	24	71	78	
	25	6.4	150	0.62	3.6	26	8.4	27	4.8	ND	17	48	57	
	5	18	130	0.64	ND	27	10	35	9	ND	15	44	50	
B4	0.5	5.5	140	0.86	ND	28	11	18	5.4	ND	18	52	51	
	10	7.8	130	0.82	ND	31	13	36	6.6	ND	25	61	71	
	15	7.2	190	0.88	ND	31	14	38	7.9	ND	23	60	86	
B5	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	0.5	4.1	110	0.57	ND	19	11	17	5	ND	14	39	37	
	5	6.5	150	0.86	ND	27	12	24	5.7	ND	22	58	61	
B6	10	6.2	140	0.6	ND	24	11	28	4.9	ND	19	52	60	
	15	6.6	160	0.69	ND	25	13	31	5.4	ND	19	58	71	
	25	7.8	160	0.89	ND	33	14	37	7.4	1.3	23	68	85	
B7	0.5	6.5	140	0.77	ND	27	11	24	5.5	ND	23	56	61	
	5	6	150	0.68	ND	22	11	24	5.4	ND	21	49	60	
	10	6.8	140	0.67	ND	24	12	30	5.5	ND	20	49	64	
B8	15	7.9	160	0.79	0.53	27	13	38	6.9	ND	21	61	71	
	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	0.5	5.1	160	0.73	ND	23	9.2	16	4.9	ND	15	47	41	
B9	5	6.7	180	0.83	ND	28	12	27	5.6	ND	22	59	63	
	10	7.3	120	0.54	ND	22	10	23	4.7	ND	17	48	55	
	15	7.9	170	0.76	0.54	29	13	35	5.9	ND	21	66	75	
B10	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	0.5	7.1	130	0.71	ND	25	9.6	57	19	ND	18	47	62	
	5	11	180	0.8	ND	27	11	69	13	ND	19	51	52	
B11	10	7.4	160	0.68	ND	27	14	35	5.9	ND	23	53	72	
	15	6.3	180	0.77	ND	26	14	36	6.1	ND	21	62	76	
	25	6.2	140	0.51	ND	22	11	28	4.3	ND	19	59	60	
B12	0.5	5.4	130	0.72	ND	24	11	21	7.5	ND	18	49	53	
	5	5.8	180	0.86	ND	26	11	20	5.7	ND	19	52	54	
	10D	6.6	140	0.64	ND	24	8.4	16	4.8	ND	13	47	45	
B13	15	6.1	140	0.71	ND	27	12	31	5.2	ND	21	58	59	
	0.5	3.7	130	0.65	ND	24	12	28	5.1	ND	18	52	67	
	5	5.6	150	0.62	ND	21	10	18	7	ND	13	34	32	
B14	10	5.9	110	0.52	ND	20	9.8	27	6	ND	19	46	52	
	10D	7	140	0.81	ND	34	12	31	6.2	ND	23	60	69	
	15	6.6	160	0.79	ND	28	14	36	6.2	ND	20	62	77	

Notes:

ND = not detected
NA = not analyzed



5.3 ARSENIC-IMPACTED AREA

To determine the extent of the arsenic contamination, almost 200 delineation samples were collected at 25-foot increments over an area of approximately 500 by 300 feet. Samples were collected at depths of 0.5, 1, and 2 feet bgs. At locations where arsenic concentrations were greater than 14 mg/kg at 2 feet bgs, additional samples were collected at 3 feet bgs.

All samples were collected with hand augers and placed in glass jars for transport to the laboratory. Under RWQCB guidance, the first eight samples were submitted for arsenic and total chromium analysis. All subsequent samples were submitted for arsenic analysis only since the first eight sample results did not indicate chromium concentrations to be above the HBRGs. The laboratory analytical method used on all samples during the Parcel D excavation program was EPA Method 6010 for arsenic.

5.3.1 Sample Identification

All samples collected were assigned a unique identification number. This identification number was used on all documentation relating to the collection, handling, analysis, and reporting of the analytical results of each sample. The following template was used:

B3C-xy-z

where

- B3C = Boring 3 Confirmation
- x = distance from Boring 3 (expressed in feet)
- y = direction from Boring 3 at which the sample was collected (e.g., E, NW, SSW)
- z = sample depth (expressed in feet below ground surface)

For example, the soil sample collected 100 feet northwest of boring B3 at a depth of 2 feet bgs was designated B3C-100NW-2.



5.3.2 Delineation Results

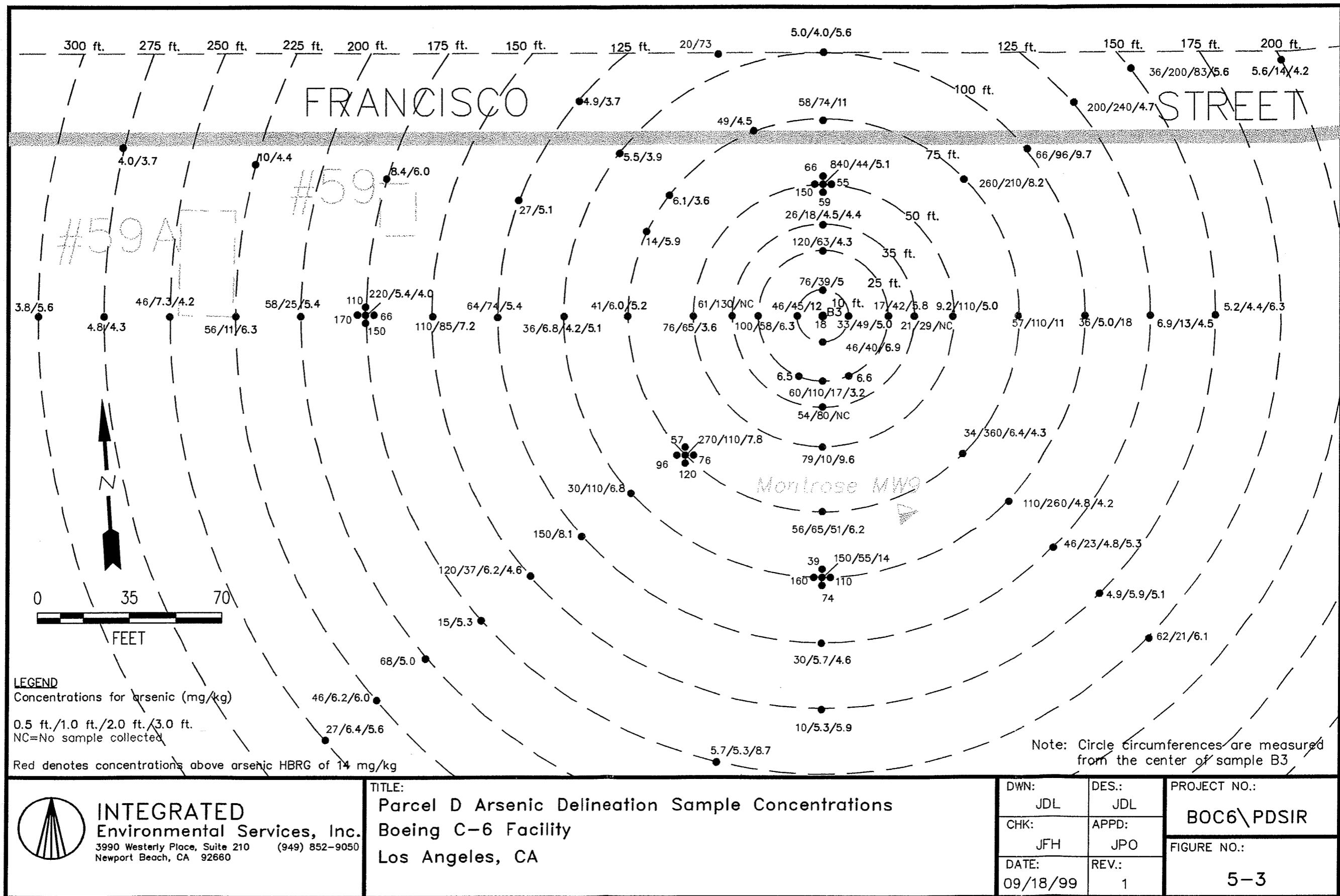
An area approximately 400 by 200 feet (Figure 5-1) was determined to be impacted by arsenic. Figures 5-2 and 5-3 show the arsenic delineation sample locations and detected concentrations, respectively. The arsenic-impacted soil extended to a depth of approximately 1.5 feet below the contact between base material and existing fill soils, with four isolated locations extending to 2.5 feet below the contact. Arsenic-impacted soil, by definition, contains arsenic concentrations greater than the site-specific HBRG of 14 mg/kg. Table 5-4 presents the results for the delineation samples. Appendix D contains the laboratory reports for the delineation samples.

In June 1999, approximately 200 cubic yards of arsenic-impacted soil were over excavated from the northeast and placed in the northwest portion of Parcel D. During the over excavation, arsenic-impacted soil was mixed with approximately 2,000 cubic yards of non-impacted soil and placed over an area measuring approximately 300 by 100 feet, to a depth of 1.5 feet (see Figure 5-4). Six delineation samples (Par Do-1 through -6) were collected from this area to determine the extent of impact. Results of these delineation samples exhibited total arsenic concentrations between 4.9 mg/kg and 70 mg/kg (see Table 5-4).

5.3.3 Characterization of Arsenic-Impacted Soil

The impacted soil was characterized for disposal using the following criteria:

- 1) Soils were classified as non-RCRA hazardous waste if representative soil samples contained arsenic in total concentrations equal to or greater than its total threshold limit concentration (TTLA) of 500 mg/kg. This was done in accordance with CCR Title 22.
- 2) Representative soil samples were analyzed for soluble arsenic concentrations using the Waste Extraction Test (WET) if the total concentration of arsenic was equal to or greater than 10 times its soluble threshold limit concentration (STLC) of 5 mg/l. Soil was classified as non-RCRA hazardous waste if representative samples contained arsenic in soluble concentrations (based on the WET) equal to or greater than its STLC. This was done in accordance with CCR Title 22.



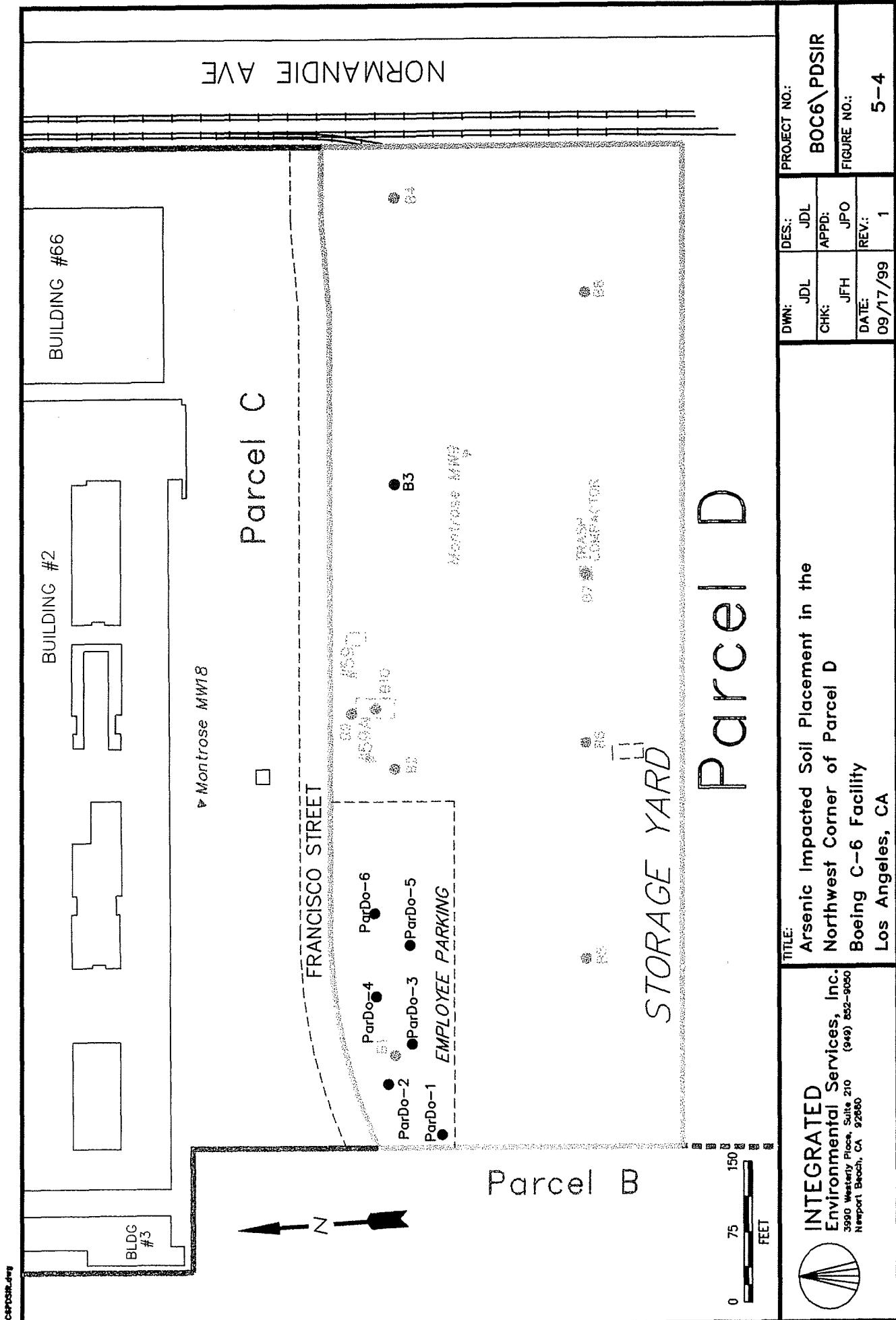




TABLE 5-4
DELINEATION SAMPLE LOG
BOEING-C-6 FACILITY, PARCEL D

Sample Number	Date Collected	Concentration*(mg/kg)
B3C-10N-0.5	6/18/99	76
B3C-10N-1	6/22/99	39
B3C-10N-2	6/22/99	5
B3C-10N-5	6/22/99	4
B3C-25N-0.5	6/18/99	120
B3C-25N-1	6/22/99	63
B3C-25N-2	6/22/99	4.3
B3C-25N-5	6/22/99	4.5
B3C-35N-0.5	6/22/99	26
B3C-35N-1	6/22/99	18
B3C-35N-2	6/24/99	4.5
B3C-35N-3	6/24/99	4.4
B3C-50N-0.5	6/22/99	840
B3C-50N-A0.5	7/2/99	66
B3C-50N-B0.5	7/2/99	55
B3C-50N-C0.5	7/2/99	59
B3C-50N-D0.5	7/2/99	150
B3C-50N-1	6/22/99	44
B3C-50N-2	6/22/99	5.1
B3C-50N-5	6/22/99	4.7
B3C-75N-0.5	6/24/99	58
B3C-75N-1	6/24/99	74
B3C-75N-2	6/24/99	11
B3C-100N-0.5	6/24/99	5.1
B3C-100N-1	6/24/99	4
B3C-100N-2	6/24/99	5.6
B3C-75NE-0.5	7/2/99	260
B3C-75NE-1	7/2/99	210
B3C-75NE-2	7/12/99	8.2
B3C-100NE-0.5	7/2/99	66
B3C-100NE-1	7/2/99	96
B3C-100NE-2	7/12/99	9.7
B3C-125NE-0.5	7/2/99	200
B3C-125NE-1	7/2/99	240
B3C-125NE-2	7/12/99	4.7
B3C-150NE-0.5	7/12/99	36
B3C-150NE-1	7/12/99	200
B3C-150NE-2	7/12/99	83
B3C-150NE-3	7/12/99	5.6



TABLE 5-4
(CONTINUED)

Sample Number	Date Collected	Concentration*(mg/kg)
B3C-200NE-0.5	7/12/99	5.6
B3C-200NE-1	7/12/99	14
B3C-200NE-2	7/12/99	4.2
B3C-10E-0.5	6/18/99	33
B3C-10E-1	6/22/99	49
B3C-10E-2	6/22/99	5
B3C-10E-5	6/22/99	4.8
B3C-25E-0.5	6/18/99	17
B3C-25E-1	6/22/99	42
B3C-25E-2	6/22/99	5.8
B3C-25E-5	6/22/99	4.8
B3C-35E-0.5	6/22/99	21
B3C-35E-1	6/22/99	29
B3C-50E-0.5	6/22/99	9.2
B3C-50E-1	6/22/99	110
B3C-50E-2	6/22/99	5
B3C-50E-5	6/22/99	5.4
B3C-75E-0.5	6/24/99	57
B3C-75E-1	6/24/99	110
B3C-75E-2	6/24/99	11
B3C-100E-0.5	6/24/99	36
B3C-100E-1	6/24/99	5
B3C-100E-2	6/24/99	18
B3C-100E-3	6/28/99	5.1
B3C-125E-0.5	6/28/99	6.9
B3C-125E-1	6/28/99	13
B3C-125E-2	6/28/99	4.5
B3C-150E-0.5	6/28/99	5.2
B3C-150E-1	6/28/99	4.4
B3C-150E-2	6/28/99	6.3
B3C-25SE-2	6/24/99	6.6
B3C-75SE-0.5	7/2/99	34
B3C-75SE-1	7/2/99	360
B3C-75SE-2	7/12/99	6.4
B3C-75SE-3	7/12/99	4.3
B3C-100SE-0.5	7/2/99	110
B3C-100SE-1	7/2/99	260
B3C-100SE-2	7/12/99	4.8



TABLE 5-4
(CONTINUED)

Sample Number	Date Collected	Concentration*(mg/kg)
B3C-100SE-3	7/12/99	4.2
B3C-125SE-0.5	7/2/99	46
B3C-125SE-1	7/2/99	23
B3C-125SE-2	7/12/99	4.8
B3C-125SE-3	7/12/99	5.3
B3C-150SE-0.5	7/12/99	4.9
B3C-150SE-1	7/12/99	5.9
B3C-150SE-2	7/12/99	5.1
B3C-175SE-0.5	7/12/99	62
B3C-175SE-1	7/12/99	21
B3C-175SE-2	7/12/99	6.1
B3C-10S-0.5	6/18/99	46
B3C-10S-1	6/22/99	40
B3C-10S-2	6/22/99	6.9
B3C-10S-5	6/22/99	5.2
B3C-25S-0.5	6/18/99	60
B3C-25S-1	6/22/99	110
B3C-25S-2	6/22/99	17
B3C-25S-3	6/24/99	3.2
B3C-25S-5	6/22/99	5.3
B3C-35S-0.5	6/22/99	54
B3C-35S-1	6/22/99	80
B3C-50S-0.5	6/22/99	79
B3C-50S-1	6/22/99	10
B3C-50S-2	6/22/99	9.6
B3C-50S-5	6/22/99	5.2
B3C-75S-0.5	6/24/99	56
B3C-75S-1	6/24/99	65
B3C-75S-2	6/24/99	51
B3C-75S-3	6/28/99	6.2
B3C-100S-0.5	6/24/99	150
B3C-100S-A0.5	7/2/99	39
B3C-100S-B0.5	7/2/99	110
B3C-100S-C0.5	7/2/99	74
B3C-100S-D0.5	7/2/99	160
B3C-100S-1	6/24/99	55
B3C-100S-2	6/24/99	14
B3C-125S-0.5	6/28/99	30
B3C-125S-1	6/28/99	5.7
B3C-125S-2	6/28/99	4.6



TABLE 5-4
(CONTINUED)

Sample Number	Date Collected	Concentration*(mg/kg)
B3C-150S-0.5	6/28/99	10
B3C-150S-1	6/28/99	5.3
B3C-150S-2	6/28/99	5.9
B3C-25SW-2	6/24/99	6.5
B3C-75SW-0.5	6/28/99	270
B3C-75SW-A0.5	7/2/99	57
B3C-75SW-B0.5	7/2/99	76
B3C-75SW-C0.5	7/2/99	120
B3C-75SW-D0.5	7/2/99	96
B3C-75SW-1	6/30/99	110
B3C-75SW-2	7/2/99	7.8
B3C-100SW-0.5	6/30/99	30
B3C-100SW-1	6/30/99	110
B3C-100SW-2	7/2/99	6.8
B3C-125SW-0.5	6/30/99	150
B3C-125SW-1	6/30/99	8.1
B3C-150SW-0.5	7/2/99	120
B3C-150SW-1	7/2/99	37
B3C-150SW-2	7/12/99	6.2
B3C-150SW-3	7/12/99	4.6
B3C-175SW-0.5	7/2/99	15
B3C-175SW-1	7/2/99	5.3
B3C-200SW-0.5	7/2/99	68
B3C-200SW-1	7/2/99	5
B3C-225SW-0.5	7/12/99	46
B3C-225SW-1	7/12/99	6.2
B3C-225SW-2	7/12/99	6
B3C-250SW-0.5	7/12/99	27
B3C-250SW-1	7/12/99	6.4
B3C-250SW-2	7/12/99	5.6
B3C-175SSW-0.5	7/20/99	5.7
BC3-175SSW-1	7/20/99	5.3
BC3-175SSW-2	7/20/99	8.7
B3C-10W-0.5	6/18/99	46
B3C-10W-1	6/22/99	45
B3C-10W-2	6/22/99	12
B3C-10W-5	6/22/99	4.4
B3C-25W-0.5	6/18/99	100
B3C-25W-1	6/22/99	58



TABLE 5-4
(CONTINUED)

Sample Number	Date Collected	Concentration*(mg/kg)
B3C-25W-2	6/22/99	6.3
B3C-25W-5	6/22/99	4.7
B3C-35W-0.5	6/22/99	61
B3C-35W-1	6/22/99	130
B3C-50W-0.5	6/22/99	76
B3C-50W-1	6/22/99	65
B3C-50W-2	6/22/99	3.6
B3C-50W-5	6/22/99	4.5
B3C-75W-0.5	6/24/99	41
B3C-75W-1	6/24/99	6
B3C-75W-2	6/24/99	5.2
B3C-100W-0.5	6/24/99	36
B3C-100W-1	6/24/99	6.8
B3C-100W-2	6/24/99	4.2
B3C-100W-3	6/24/99	5.1
B3C-125W-0.5	6/28/99	64
B3C-125W-1	6/28/99	74
B3C-125W-2	6/28/99	5.4
B3C-150W-0.5	6/28/99	110
B3C-150W-1	6/28/99	85
B3C-150W-2	6/28/99	7.2
B3C-175W-0.5	6/30/99	220
B3C-175W-A0.5	7/2/99	110
B3C-175W-B0.5	7/2/99	66
B3C-175W-C0.5	7/2/99	150
B3C-175W-D0.5	7/2/99	170
B3C-175W-1	6/30/99	5.4
B3C-175W-2	6/30/99	4
B3C-200W-0.5	6/30/99	58
B3C-200W-1	6/30/99	25
B3C-200W-2	6/30/99	7.4
B3C-225W-0.5	7/2/99	56
B3C-225W-1	7/2/99	11
B3C-225W-2	7/2/99	6.3
B3C-250W-0.5	7/2/99	46
B3C-250W-1	7/2/99	7.3
B3C-250W-2	7/2/99	4.2
B3C-275W-0.5	7/7/99	4.8
B3C-275W-1	7/7/99	4.3



TABLE 5-4
(CONTINUED)

Sample Number	Date Collected	Concentration*(mg/kg)
B3C-300W-0.5	7/7/99	3.8
B3C-300W-1	7/7/99	5.6
B3C-75NW-0.5	6/30/99	6.1
B3C-75NW-1	6/30/99	3.6
B3C-100NW-0.5	6/30/99	5.5
B3C-100NW-1	6/30/99	3.9
B3C-125NW-0.5	6/30/99	4.9
B3C-125NW-1	6/30/99	3.7
ParD-275W-0.5	7/7/99	4.8
ParD-275W-1	7/7/99	4.3
ParD-300W-0.5	7/7/99	3.8
ParD-300W-1	7/7/99	5.6
Par Do-1-0.5	7/01/99	15
Par Do-1-1.0	7/01/99	70
Par Do-2-0.5	7/01/99	8.1
Par Do-2-1.0	7/01/99	11
Par Do-3-0.5	7/01/99	9.7
Par Do-3-1.0	7/01/99	19
Par Do-4-0.5	7/01/99	9.3
Par Do-4-1.0	7/01/99	8.4
Par Do-5-0.5	7/01/99	4.9
Par Do-5-1.0	7/01/99	14
Par Do-6-0.5	7/01/99	7.2
Par Do-6-1.0	7/01/99	40

*Boldface indicates HBRG value has been exceeded

- 3) Additionally, representative soil samples that were analyzed using the WET were also analyzed for soluble arsenic concentrations using the Toxicity Characteristic Leaching Procedure (TCLP). None of the TCLP analytical results exceeded the TCLP threshold limit of 5 mg/l; therefore, none of the soil was characterized as RCRA hazardous waste.

As indicated above, samples with TTLC concentrations above 50 mg/kg were analyzed for soluble arsenic concentrations. Fifty-two samples were submitted for arsenic STLC, and 15 for TCLP analyses. Eleven samples exhibited STLC concentrations greater than 5 mg/l, with the highest detection at 21 mg/l. None of the samples analyzed for TCLP exceeded the TCLP threshold of 5 mg/l. Table 5-5 presents these results.



Since the majority of the samples with concentrations exceeding the STLC limit had TTLC concentrations above 200 mg/kg, as a conservative approach, all soil exhibiting greater than 100 mg/kg on the side walls and bottoms of the isolated excavation pits was characterized as non-RCRA hazardous waste. In addition, any soil determined to have a TTLC greater than 100 mg/kg during confirmation sampling (see Section 6) was characterized as non-RCRA hazardous waste.

As described in Section 6, these soils were stockpiled separately from the soil characterized as non-hazardous waste and transported to a Class 1 landfill.

5.4 QUALITY ASSURANCE/QUALITY CONTROL RESULTS

This section includes the results of the field quality assurance/quality control (QA/QC) sample analysis for trip blanks, equipment rinsates, field blanks, and field duplicates.

One trip blank was analyzed for VOCs to evaluate the potential for contamination during sample handling and transportation to the laboratory. No VOCs were detected in the trip blank.

Field blank results were used to evaluate the quality of the water source used to decontaminate the field equipment. One field blank was analyzed for VOCs, SVOCs, PCBs, pesticides, and metals, none of which were detected.

The results of the equipment rinsate analysis were used to determine whether equipment decontamination was effective. One sample was analyzed for the same constituents as were the samples collected using the particular sampling method. None of the compounds analyzed for were detected in the equipment rinsate sample.



TABLE 5-5
STLC AND TCLP ANALYTICAL RESULTS FOR ARSENIC SOIL SAMPLES
BOEING C-6 FACILITY, PARCEL D

Sample ID	Total Arsenic (mg/kg)	STLC (mg/l)	TCLP (mg/l)
B3C-10N-0.5	76	2.8	NA
B3C-25N-0.5	120	3.4	ND
B3C-25N-1.0	63	2.1	NA
B3C-25S-0.5	60	2.1	NA
B3C-25S-1.0	110	3.9	NA
B3C-25W-0.5	100	3.2	NA
B3C-25W-1.0	58	2.4	NA
B3C-35S-0.5	54	2.1	NA
B3C-35S-1.0	80	2.6	NA
B3C-35W-0.5	61	2.2	NA
B3C-35W-1.0	130	3.9	NA
B3C-50E-1.0	110	4.9	NA
B3C-50N-0.5	840	21	2.6
B3C-50S-0.5	79	2.6	NA
B3C-50W-0.5	76	3.1	NA
B3C-50W-1.0	65	2.9	NA
B3C-75E-0.5	57	1.8	NA
B3C-75E-1.0	110	7.5	ND
B3C-75N-0.5	58	2.2	NA
B3C-75N-1.0	74	3.0	NA
B3C-75NE-0.5	260	8.0	1.2
B3C-75NE-1.0	210	8.5	1.3
B3C-75S-0.5	56	1.5	NA
B3C-75S-1.0	65	2.3	NA
B3C-75S-2.0	51	1.6	NA
B3C-75SE-1.0	360	15	3.4
B3C-75SW-0.5	270	14	2.4
B3C-100NE-0.5	66	3.2	NA
B3C-100NE-1.0	96	3.4	NA
B3C-100S-0.5	150	4.8	NA
B3C-100S-1.0	55	2.7	NA
B3C-100S-B0.5	110	4.6	NA
B3C-100S-C0.5	74	2.0	NA
B3C-100S-D0.5	160	6.0	ND
B3C-100SE-0.5	110	3.6	ND
B3C-100SE-1.0	260	12	2.6
B3C-100SW-1.0	110	3.5	NA



TABLE 5-5
(CONTINUED)

Sample ID	Total Arsenic (mg/kg)	STLC (mg/l)	TCLP (mg/l)
B3C-125NE-0.5	200	5.6	ND
B3C-125NE-1.0	240	11	1.5
B3C-125SW-0.5	150	3.7	NA
B3C-125W-0.5	64	1.9	NA
B3C-125W-1.0	74	2.7	NA
B3C-150NE-1.0	200	2.6	ND
B3C-150NE-2.0	83	3.1	NA
B3C-150SW-0.5	120	4.8	ND
B3C-150W-0.5	110	3.7	NA
B3C-150W-1.0	85	2.8	NA
B3C-175SE-1.0	62	1.2	NA
B3C-175W-0.5	220	8.5	1.7
B3C-200SW-0.5	68	1.5	NA
B3C-200W-0.5	58	2.1	NA
B3C-225W-0.5	56	2.6	NA

Boldface indicates concentration exceeds Total Threshold Limit Concentration (TTLC) of 500 mg/kg or Soluble Threshold Limit Concentration (STLC) of 5 mg/l or Toxicity Characteristic Leaching Procedure (TCLP) of 5 mg/l.

Notes:

- 1) Total arsenic analyzed using EPA Method 6010.
- 2) STLC per CCR Title 22.
- 3) TCLP analyzed using EPA Method 1311.

NA = Not analyzed

ND = Not detected

The results of a field duplicate analysis are used to evaluate the accuracy and reliability of the entire sample measurement system. Two duplicate samples were analyzed for the same constituents as the primary samples. The analytical results of the duplicate samples and their associated routine samples indicate good correlation, except for zinc at 10 feet bgs in Boring 10. Zinc was detected at a concentration of 1000 mg/kg in the routine sample, but it was detected at 69 mg/kg in the duplicate sample.

The laboratory reports for the QA/QC samples are presented in Appendix C.



6. EXCAVATION AND CONFIRMATION PROGRAM

This section presents the activities and results of the soil excavation and confirmation program implemented in Parcel D for removal of arsenic impacted soil. As discussed in Section 5, a single elevated arsenic concentration was detected in the top sample (6-inch depth) collected from boring B-3 during the Parcel D investigation. Following the collection of delineation samples as described in Section 5, total arsenic was identified at concentrations above background (14 mg/kg) over an area measuring approximately 400 by 200 feet, to a depth of 1.5 feet bgs with four isolated areas extending to 2.5 feet bgs (see Figure 5-1 in Section 5). However, at the completion of the excavation activities, approximately 8,200 cubic yards of arsenic-impacted soil were removed from an area measuring approximately 400 by 300 feet, to depths between 1.5 and 2.5 feet bgs.

6.1 SOIL EXCAVATION AND OFF-SITE DISPOSAL

Approximately 8,200 cubic yards of arsenic-impacted soil were excavated, transported, and disposed at approved off-site facilities. The following sections present the procedures used to ensure that all arsenic-impacted soil, defined as soil exhibiting total arsenic concentrations greater than 14 mg/kg, was excavated and properly disposed.

6.1.1 Excavation and Confirmation Sampling

The arsenic-impacted soil excavation was conducted following the procedures outlined in the approved Parcel D Excavation Plan (IESI 1999a and d). Prior to the excavation, an approximately eight-inch-thick layer of pulverized asphalt and base was removed and stockpiled for use as backfill for the construction of the new Francisco Street. A sample of this material exhibited a total arsenic concentration of 14 mg/kg (see Table E-1 in Appendix E).



Excavation was performed in a phased approach beginning with isolated excavations, followed by an overall area excavation. Within the arsenic-impacted area, 13 locations (referred to as Pits 1 through 13) were identified as requiring isolated excavations because either: 1) the arsenic concentration exceeded the total threshold limit concentration (TTLC) of 500 mg/kg or soluble threshold limit concentration (STLC) limit of 5 mg/kg or 2) arsenic was present at a concentration greater than 14 mg/kg at depths below 2 feet bgs. Ten of the thirteen isolated locations (Pits 1 through 6, 8, 9, 12, and 13) were identified as exhibiting non-RCRA hazardous soil while the remaining three locations (Pits 7, 10, and 11) exhibited nonhazardous arsenic levels (greater than 14 mg/kg but below the TTLC and STLC threshold limits) at depths below 2 feet bgs. Isolated excavations were conducted using a backhoe.

Upon completion of each isolated excavation, confirmation samples were collected to verify that the concentrations in the remaining soil were below the arsenic STLC and TTLC limits and therefore meet the criteria for non-hazardous waste. Samples were collected from the bottom and each side wall. The bottoms were excavated until the total arsenic concentrations were below 14 mg/kg (see Table 6-2), and the side walls were excavated to concentrations below the STLC. The concentrations in the side-wall samples only had to be below the STLC during the isolated excavations to minimize the amount of non-RCRA hazardous generated. The remaining soil was removed with the overall removal of the top 1.5 feet (discussed below). The locations of isolated excavations are presented in Figure 6-1. Confirmation sampling data for these excavations are presented in Table E-1 in Appendix E.

Although several of the confirmation sample results exceed 10 times the STLC threshold limit, none were analyzed for STLC because the STLC data collected on 52 samples (refer to Table 5-5 in Section 5) shows that the majority of the samples with concentrations exceeding the STLC limit of 5 mg/l have TTLC concentrations greater than 200 mg/kg. As a conservative approach, soil exhibiting greater than 100 mg/kg on the side walls and bottoms of the isolated excavation pits were excavated for disposal at a Class I landfill.



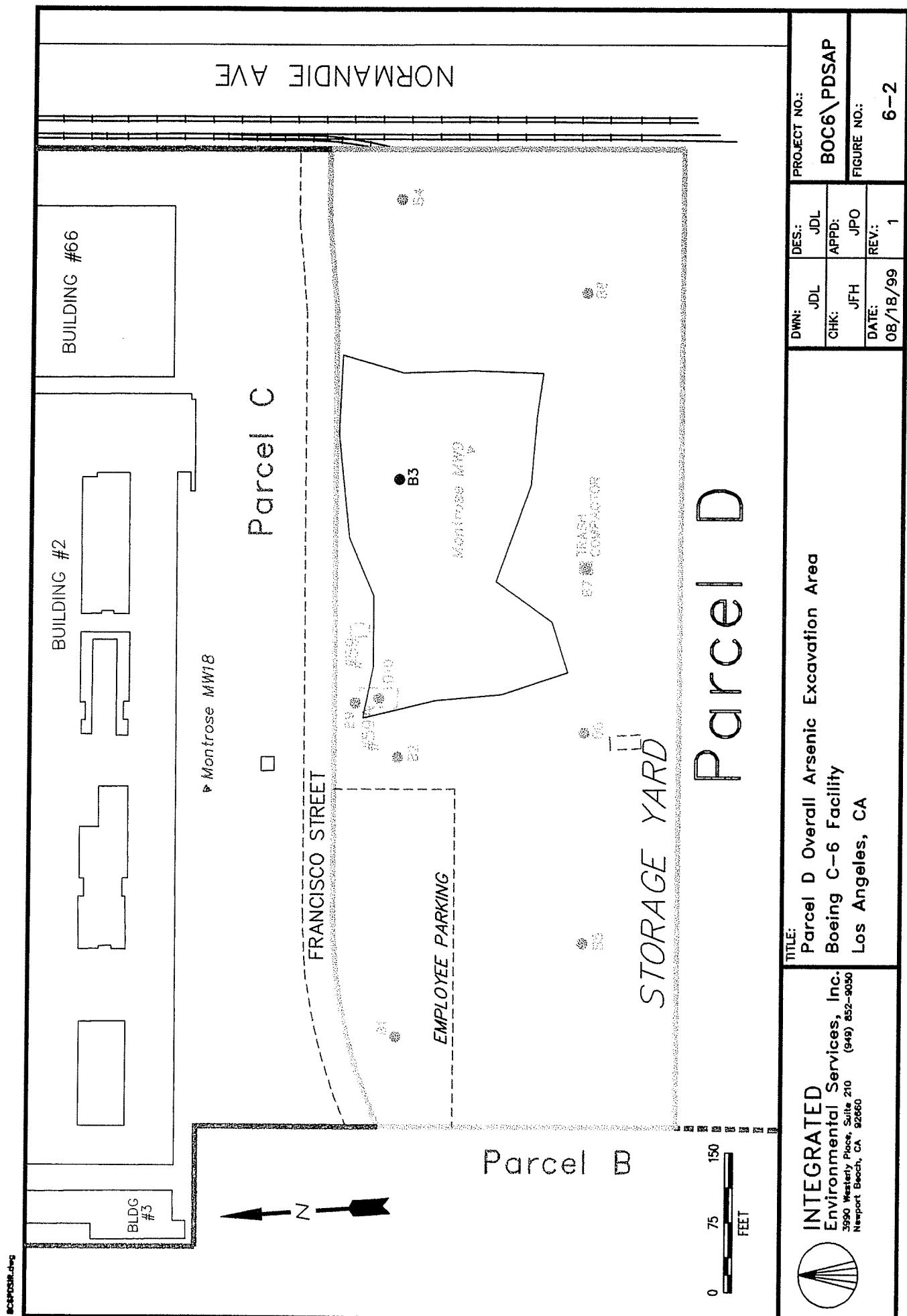
Arsenic-impacted soil was deemed confined to the top 1.5 feet within the delineated area. Once the isolated excavations were completed and confirmed, excavation of the remaining arsenic-impacted soil was conducted using a front-loader and paddle-wheel scraper. Figure 6-2 shows the overall arsenic excavation area.

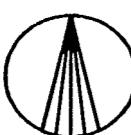
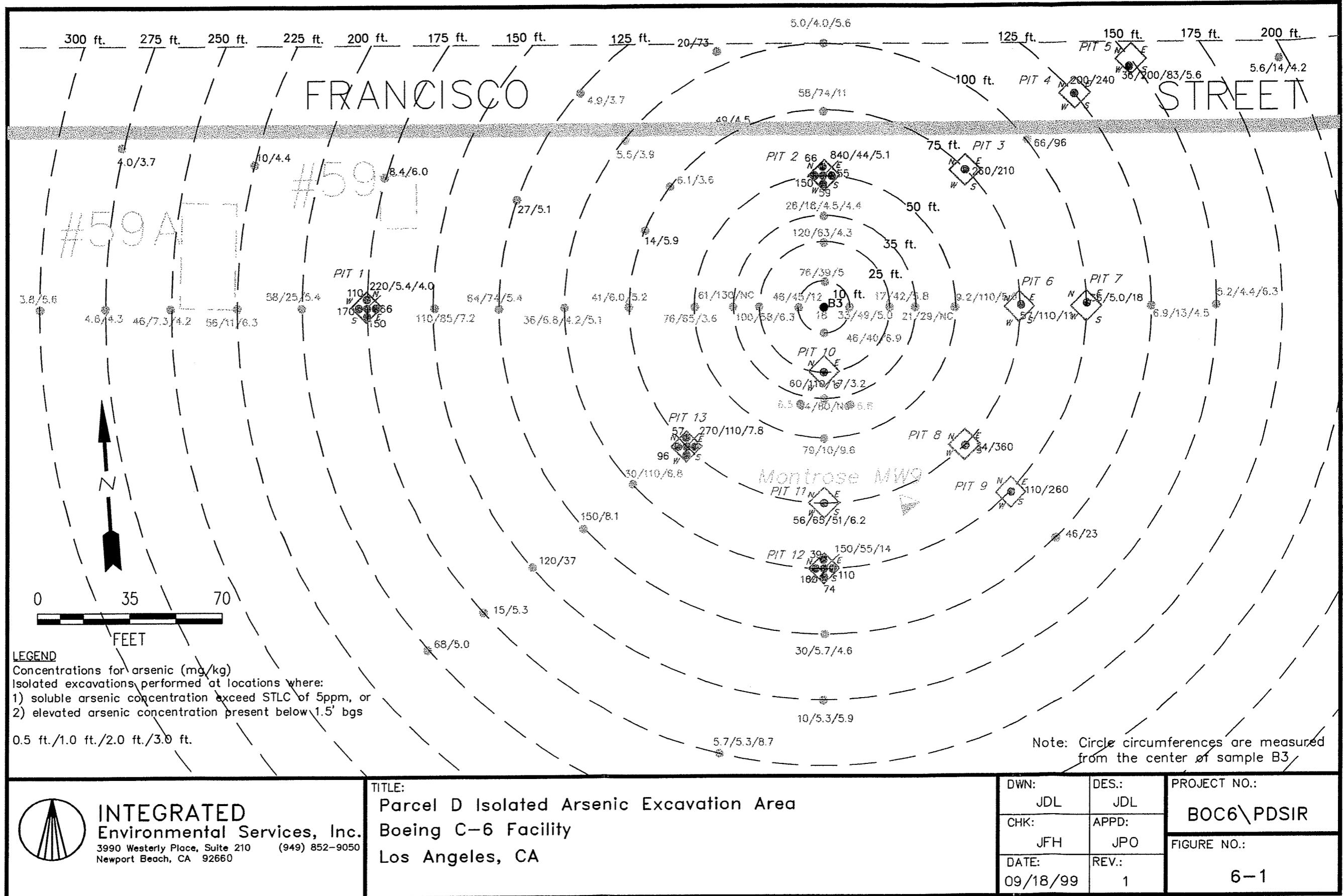
During excavation, the soil was separated into two isolated stockpiles for disposal. One stockpile represented non-RCRA hazardous waste to be disposed at a Class I landfill while the other represented non-hazardous waste to be disposed at a Class III landfill. As discussed in Section 5, the soil disposed at a Class I landfill exhibited arsenic concentrations above the TTLC of 500 mg/kg or the STLC of 5 mg/l. This soil was disposed of at Kettleman Hills Landfill in Kettleman City, California. The soil disposed of at a Class III landfill exhibited arsenic concentrations above the background concentration of 14 mg/kg, but below the TTLC and STLC. This soil was taken to Bradley Landfill in Sun Valley, California, and used as daily cover (see Section 6.1.3).

Table 6-1 presents a summary of the types of material and estimated quantities excavated, and the facility to which these soils were transported for disposal.

TABLE 6-1
TYPES AND QUANTITIES OF EXCAVATED SOIL

Soil Type	Approximate Quantity (cubic yards)	Final Place of Disposition
Non-RCRA hazardous waste	42	Class I Landfill (Kettleman Hills)
Non-hazardous waste	8,200	Class III Landfill (Bradley Landfill)





INTEGRATED
Environmental Services, Inc.
3990 Westerly Place, Suite 210 (949) 852-9050
Newport Beach, CA 92660



6.1.2 Placement of Excavated Soil

Soil deemed non-hazardous was stockpiled in a designated area at the southeast corner of Parcel D. Soil characterized as non-RCRA hazardous waste was stockpiled along the eastern border of Parcel D. Since the eastern and southeastern portions of the property do not have a surface cover (i.e., concrete or asphalt), an impermeable plastic sheet was placed on the ground prior to stockpiling. At the end of each working day, an additional plastic sheet was placed and secured over the stockpiles to prevent exposure of the soil to the atmosphere.

In addition to the stockpile in the southeast corner of the parcel, five small stockpiles (approximately 8 cubic yards each) were placed on the existing Francisco Street along the northern border of Parcel D. The soil in the stockpiles was excavated from a 25-foot radius of boring B3 prior to the determination that soil was impacted beyond that extent. It was then determined that a larger area would be required for stockpiling. These stockpiles were underlain and covered with plastic sheets to prevent exposure to the atmosphere. Since this soil was characterized as non-hazardous, it was moved to the stockpile in the southeast corner of the site, which was bound for the Bradley Landfill.

6.1.3 Off-Site Disposal

Between July 13 and August 13, 1999, approximately 42 cubic yards of non-RCRA hazardous waste soil were excavated and transported to the Kettleman Hills Landfill for disposal, and approximately 8,200 cubic yards of non-hazardous waste soil was transported to Bradley Landfill to be used as daily cover. Disposal of soil at the Bradley Landfill was in accordance with the RWQCB-approved Waste Discharge Requirements permit, dated July 29, 1999 (File No. 88-57-033 (99)).

The soil was trucked to the aforementioned disposal facilities using end-dump trucks. Loaded trailers were covered with solid, one-piece tarps during transport of contaminated soil to the



designated disposal facility. A detailed description of the disposal program is presented in the scope of work developed for the Boeing Realty Alternate Daily Cover Project (Chemical Waste Management 1999). Soil was transported to Bradley Landfill in a total of 546 truckloads. Four truckloads were used to transport the non-RCRA hazardous waste to Kettleman Hills Landfill. A Waste Discharge Requirement Monitoring and Reporting document (IESI 1999f) was submitted to the RWQCB documenting the transportation and disposal activities. Manifests generated during this effort are contained within the monitoring and reporting document.

6.1.4 Land Surveying

The following excavations and sampling points were surveyed by a registered land surveyor using accuracies of ± 0.1 feet:

- Isolated excavation pits,
- Horizontal extent of the excavation for the top 1.5 feet,
- Confirmation sampling locations (discussed in Section 6.2), and
- All additional excavations required when confirmation sampling indicated remaining arsenic concentrations above 14 mg/kg.

The scaled base map of the site showing the locations of all surveyed features is presented in Figure 6-3.

6.1.5 Backfilling

The excavated area will be backfilled using on-site soil from Parcel D, determined to be non-impacted during the Parcel D investigation, and soil imported from non-contaminated sites. All soil imported to the C-6 facility are screened for VOCS, SVOCS, TPH PCBS, pesticides, and metals. No sources exhibiting compound concentrations greater than the site-specific HBRGs (IESI 1997) are imported to the site.



6.2 POST-EXCAVATION CONFIRMATION SAMPLING

Confirmation soil sampling was conducted to ensure that elevated concentrations of arsenic (above the HBRG of 14 mg/kg) did not remain following the excavation activities. A total of 158 confirmation samples were collected during the Parcel D excavation. Figure 6-3 shows the location of arsenic confirmation samples. All confirmation samples were analyzed for arsenic only. The samples were submitted to the laboratory on a 24- or 48-hour turnaround time. The protocols used for confirmation sampling at the isolated excavation areas and the delineated arsenic-impacted area are presented below.

Isolated Excavation Areas

Subsequent to the isolated excavation of soils deemed non-RCRA hazardous, the side-walls and bottom of the pits were sampled and submitted for arsenic analysis. If the confirmation sample results exhibited total arsenic concentrations above 100 mg/kg, additional soil was excavated and additional confirmation samples were collected. If the confirmation sample results for the side-walls exhibited total arsenic concentrations below 100 mg/kg, no further excavation was conducted on these isolated excavation areas since the remaining arsenic-impacted soil was excavated during the removal of the top 1.5 feet of soil. Since no confirmation samples of the bottoms exhibited concentrations above 14 mg/kg, no further excavations were required there.

Post-excavation confirmation sampling results for the pit bottoms are presented in Table 6-2.

In the areas where excavation extended below 1.5 feet (isolated excavation areas), confirmation samples were collected from the side walls and bottom. Because the top 1.5 feet of soil was removed following the excavation of the isolated areas, the side wall samples were collected at depths between 1.5 and 2.5 feet bgs. The side-wall and bottom confirmation samples were submitted to the laboratory for expedited analysis of arsenic. If the confirmation sample results

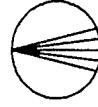
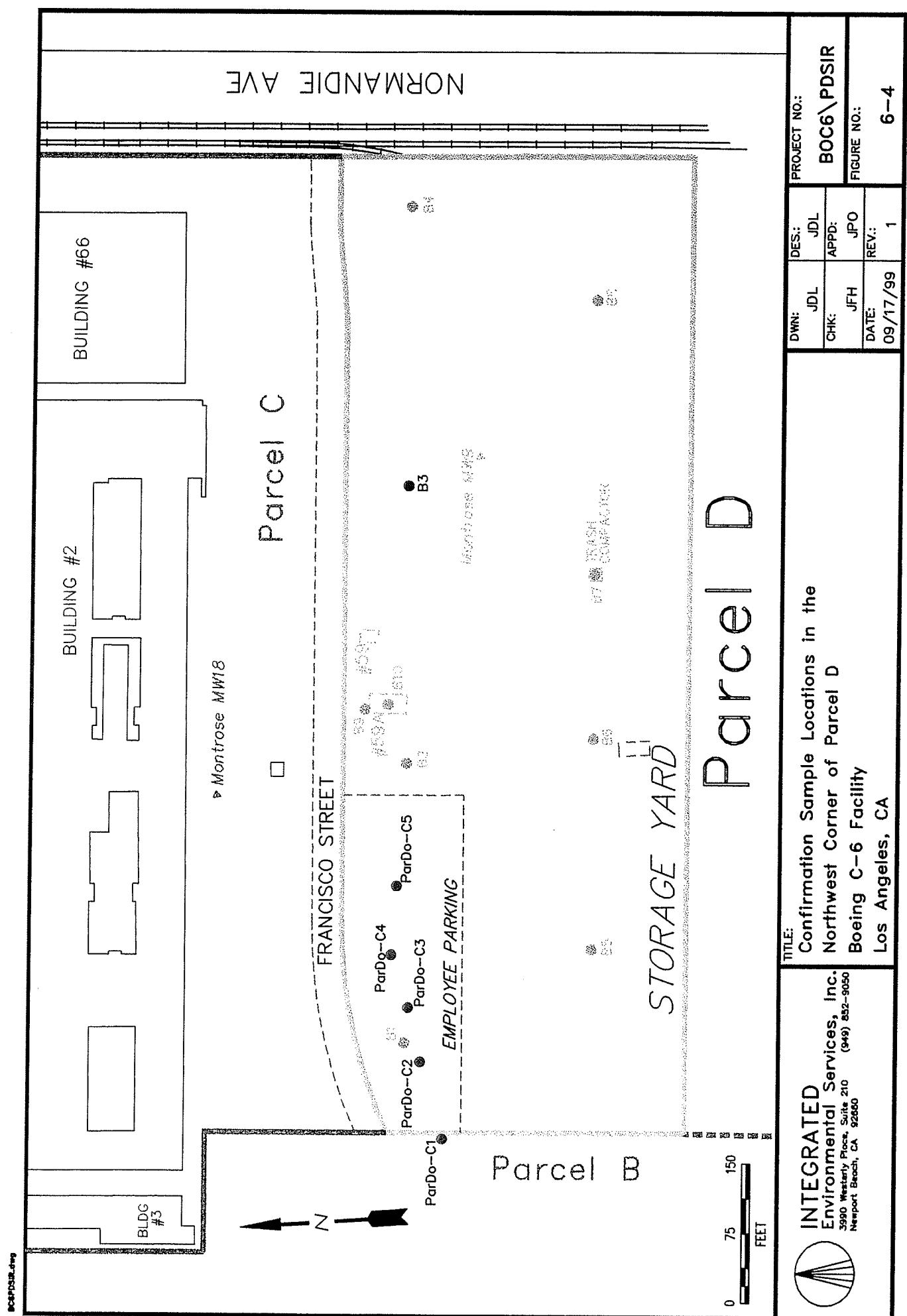




TABLE 6-2
POST-EXCAVATION CONFIRMATION SAMPLING RESULTS
FOR TOTAL ARSENIC
BOEING-C-6 FACILITY, PARCEL D

Date	Time		Sample No.	Arsenic (mg/kg)	Location	Comments
7/16/99	925	Pit 1	Par D-C175W-5	4.3	bottom	No further vertical excavation req'd
7/16/99	955	Pit 2	Par D-C50N-5	4.3	bottom	No further vertical excavation req'd
7/16/99	1015	Pit 3	Par D-C75NE-5	7.5	bottom	No further vertical excavation req'd
7/16/99	1035	Pit 4	Par D-C125NE-5	8.4	bottom	No further vertical excavation req'd
7/16/99	1050	Pit 5	Par D-C150NE-5	11	bottom	No further vertical excavation req'd
7/20/99	910	Pit 6	Par D-C75E-5A	6.7	bottom	Addit. 0.5 ft excavated 7/20/99; No further vertical excavation req'd
7/16/99	1350	Pit 7	Par D-C100E-5	6.1	bottom	No further vertical excavation req'd
7/16/99	830	Pit 8	Par D-C75SE-5	11	bottom	No further vertical excavation req'd
7/16/99	815	Pit 9	Par D-C100SE-5	7.2	bottom	No further vertical excavation req'd
7/16/99	1405	Pit 10	Par D-C25S-5	4.9	bottom	No further vertical excavation req'd
7/16/99	1425	Pit 11	Par D-C75S-5	6.1	bottom	No further vertical excavation req'd
7/16/99	845	Pit 12	Par D-C100S-5	4.4	bottom	No further vertical excavation req'd
7/16/99	900	Pit 13	Par D-C75SW-5	7.3	bottom	No further vertical excavation req'd
7/16/99	952		Par D-WNW75-0.5	14	west-west-north at 75	No further excavation req'd
	955		Par D-WNW75-1.0	5.9	" "	No further excavation req'd
	1004		Par D-WNW125-1.0	5.1	" "	No further excavation req'd
7/16/99	1014		Par D-WNW175-0.5	8.4	west-west-north at 175	No further excavation req'd
	1017		Par D-WNW175-1.0	6	" "	No further excavation req'd
7/16/99	1022		Par D-WNW225-0.5	10	west-west-north at 225	No further excavation req'd
	1025		Par D-WNW225-1.0	4.4	" "	No further excavation req'd
7/16/99	1122		Par D-WNW275-0.5	4	west-west-north at 275	No further excavation req'd
	1125		Par D-WNW275-1.0	3.7	" "	No further excavation req'd
7/16/99	1335		Par D>NNW75-1.0	4.5	" "	No further excavation req'd



TABLE 6-2
(CONTINUED)

Date	Time	Sample No.	Arsenic (mg/kg)	Location	Comments
7/27/99	1320	Par D-C1	8.7	northwest (west border)	No further excavation req'd
7/27/99	1335	Par D-C2	3.8	west border	No further excavation req'd
7/27/99	1350	Par D-C3	3.9	west border	No further excavation req'd
7/27/99	1355	Par D-C4	4.9	southwest (west border)	No further excavation req'd
7/27/99	1330	Par D-C5	3.4	northwest (north border)	No further excavation req'd
7/28/99	942	Par D-C6	6.4	central	No further excavation req'd
7/28/99	1325	Par D-C7	3.7	central	No further excavation req'd
7/28/99	1315	Par D-C8	3.5	southern border	No further excavation req'd
7/29/99	1322	Par D-C9	3.9	north border	No further excavation req'd
7/30/99	1415	Par D-C10A	3.6	central	No further excavation req'd
7/30/99	1422	Par D-C11A	5.2	central	No further excavation req'd
7/28/99	1330	Par D-C12	4	south border	No further excavation req'd
8/2/99	1423	Par D-C13A	4.7	north border	No further excavation req'd
8/3/99	804	Par D-C14B	5	central	No further excavation req'd
7/28/99	1340	Par D-C15	14	central	No further excavation req'd
7/30/99	1345	Par D-C16A	3.9	south border	No further excavation req'd
7/29/99	1335	Par D-C17	4.8	north border	No further excavation req'd
8/2/99	1349	Par D-C18A	4.4	central	No further excavation req'd
7/29/99	1345	Par D-C19	4.9	central	No further excavation req'd
8/2/99	1328	Par D-C20A	4.4	northeast corner	No further excavation req'd
7/28/99	1400	Par D-C21	8.6	south border	No further excavation req'd
7/29/99	1355	Par D-C22	9.9	east border	No further excavation req'd
7/29/99	1350	Par D-C23	5.5	east border	No further excavation req'd
7/30/99	1405	Par D-C24	4.5	northwest Par D-C14	No further excavation req'd
7/30/99	1400	Par D-C25	4.9	northeast Par D-C14	No further excavation req'd
7/30/99	1355	Par D-C26	3.7	southeast Par D-C26	No further excavation req'd
7/30/99	1425	Par D-C27	3.9	south Par D-C11	No further excavation req'd
7/28/99	1405	Par D-C28	5.6	southeast corner	No further excavation req'd
7/30/99	1420	Par D-C29	4.9	west Par D-C10	No further excavation req'd
7/30/99	1335	Par D-C30	3.8	north Par D-C16	No further excavation req'd
7/30/99	1320	Par D-C31	5	east Par D-C16	No further excavation req'd
7/30/99	1325	Par D-C32	4.4	south Par D-C16	No further excavation req'd
7/30/99	1330	Par D-C33	3.6	west Par D-C16	No further excavation req'd
8/4/99	843	Par D-C34A	4.4	east of Par D-C13	8/04/99, addit 4 in. excavated over area approx. 15 ft by 15 ft around C34
8/2/99	1420	Par D-C35	6.4	south of Par D-C13	No further excavation req'd



TABLE 6-2
(CONTINUED)

Date	Time	Sample No.	Arsenic (mg/kg)	Location	Comments
8/2/99	1416	Par D-C36	3.8	west of Par D-C13	No further excavation req'd
8/2/99	1413	Par D-C37	4.7		No further excavation req'd
8/2/99	1346	Par D-C38	6.8		No further excavation req'd
8/2/99	1353	Par D-C39	7		No further excavation req'd
8/2/99	1355	Par D-C40	5.7		No further excavation req'd
8/2/99	1359	Par D-C41	7.8		No further excavation req'd
8/4/99	855	Par D-C42A	3.7		Addit 20 ft by 10 ft by 2 ft excavated around C42
8/2/99	1336	Par D-C43	4.3		No further excavation req'd
8/2/99	1340	Par D-C44	4.7		No further excavation req'd
8/2/99	1333	Par D-C45	3.7		No further excavation req'd
8/3/99	759	Par D-C46	4.2		No further excavation req'd
8/3/99	808	Par D-C47	4.1		No further excavation req'd
8/3/99	812	Par D-C48	4.2		No further excavation req'd
8/3/99	815	Par D-C49	3.8		No further excavation req'd
8/4/99	846	Par D-C50	3.9		No further excavation req'd
8/4/99	859	Par D-C51	4.8		No further excavation req'd
8/4/99	903	Par D-C52	4.6		No further excavation req'd
7/23/99	1140	ParDo-C1	4.1	west end	Over-excavated area between borings B1 and B2 where arsenic-impacted soils were deposited; deposited soils were removed to native where confirmation samples were collected.
7/22/99	1525	ParDo-C2	5.2		
7/22/99	1528	ParDo-C3	5.7		
7/22/99	1530	ParDo-C4	4.9		
7/22/99	1535	ParDo-C5	5.3		

exhibited total arsenic concentrations above 14 mg/kg, additional soil was excavated and additional confirmation samples were collected. If the confirmation sample results exhibited total arsenic concentrations below 14 mg/kg, no further excavation was conducted in the isolated excavation areas. Results for the post-excavation confirmation samples collected in the pits are presented in Table 6-2. Appendix E contains the laboratory reports for the arsenic excavation confirmation samples. Figure 6-1 shows the isolated excavation pits where confirmation samples were collected.



Arsenic-Impacted Area

At the completion of the overall excavation (an area measuring approximately 400 by 300 feet), a 75-foot grid was placed over the area for confirmation sampling. Samples designated Par D-C1 through C52 were collected in the grid to ensure that soil impacted with arsenic at concentrations greater than 14 mg/kg were removed. Figure 6-3 shows the surveyed locations of these samples, and Table 6-2 presents the analytical results. Confirmation samples exhibiting total arsenic concentrations above 14 mg/kg were further delineated and excavated until total arsenic concentrations were below 14 mg/kg. Results of the additional excavation and confirmation samples are also presented in Table 6-2. Appendix E contains the laboratory reports for the confirmation samples.

The soil placed in the northwest portion of Parcel D was excavated and stockpiled for disposal at a Class III landfill. At the completion of the excavation, five confirmation samples (Par Do-C1 through C5) were collected to ensure that the arsenic-impacted soil has been removed. Results for these samples indicate total arsenic levels of 4.1 to 5.7 mg/kg (see Table 6-2). Figure 6-4 shows the surveyed sample locations for the northwest portion of Parcel D.

6.2.1 Sample Identification

Confirmation samples collected during the Parcel D excavation program were assigned a unique identification number. This number is used on all documentation relating to the collection, handling, analysis, and reporting of the analytical results of each sample. The following templates were used:

Isolate Excavation Pits

ParD-C-x-y

where



Par D= Parcel D

C = confirmation identification

x = distance in feet and direction of pit (e.g., 100N)

y = pit wall number (e.g. 1 = north, 2 = east, 3 = south, 4 = west)

Grid Layout of Rectangular Area

ParD-C-x

where

Par D= Parcel D

C-x = confirmation identification (e.g., C-1, numbered sequentially)

6.2.2 Sample Handling and Custody

Confirmation samples were collected in 4-oz glass jars supplied by the laboratory. Completed chain-of-custody forms accompanied the samples to the laboratory, where the laboratory custodian received and inspected the sample containers. Detailed procedures are presented in the Parcel D Sampling and Analysis Plan (IESI 1999e).

6.2.3 Laboratory Analysis

The laboratory analytical method used on all samples during the Parcel D excavation and confirmation program was EPA Method 6010 for arsenic.

6.2.4 Confirmation Sampling Results

As mentioned, when confirmation samples exhibited total arsenic concentrations above 14 mg/kg, additional excavations were conducted until total arsenic concentrations reached below 14 mg/kg. The results for the confirmation samples collected are summarized in Table 6-1.



6.3 HEALTH AND SAFETY MONITORING

In accordance with Occupation Safety and Health Administration (OSHA) standards (CFR Title 29 part 1910.120), a site-specific health and safety plan was prepared for the Parcel D excavation. The detailed health and safety plan is provided in Appendix C of the Parcel D Excavation Plan (IESI 1999d). A discussion of personnel requirements and health and safety monitoring is presented below.

6.3.1 Personnel Requirements

All field personnel involved with the Parcel D excavation activities were OSHA 40-hour certified, had completed annual refresher courses (as required), and actively participated in a medical surveillance program that meets the criteria of 29 CFR 1910.120. In addition, each field member was required to review and sign the health and safety plan prior to the first day of work and to attend the health and safety meeting that was conducted at the beginning of each day.

6.3.2 Health and Safety Monitoring

Health and safety monitoring was conducted during excavation activities. Each day, two field workers were monitored for arsenic concentrations in breathing-zone dust using "GilAir 3" personal breathing air monitoring devices. In addition, three stationary "AIRCON 2" atmosphere monitoring devices were used to monitor arsenic concentrations in the air along the perimeter of the excavation area. The dust filters were submitted to a laboratory for arsenic analysis, initially with a 24-hour turnaround time and later, once the initial samples indicated that no detectable concentrations of arsenic were in the air, on a 3-to-5-day turnaround. Laboratory reports for the air samples are presented in Appendix F.



7. CONCLUSIONS

The site investigation of Parcel D was conducted in accordance with the approved Sampling and Analysis Plan (IESI 1999e). The data generated during this investigation will support future site remediation, feasibility studies, groundwater investigations, and risk assessment, should such actions become necessary.

Initially, soil samples were collected from 10 borings. An elevated concentration of total arsenic was detected in one of these samples at a concentration of 18 mg/kg. Other analyses did not indicate other contaminant concentrations above the HBRGs established for the site. Delineation samples were collected to determine the extent of the arsenic contamination, which measured approximately 400 by 200 feet in area, from the surface to approximately 1.5 feet bgs, with four areas to approximately 2.5 feet bgs.

Arsenic-impacted soil was excavated from an area measuring approximately 400 by 300 feet, to depths between 1.5 and 2.5 feet. Confirmation samples were collected following the excavation to ensure that all contaminated soil had been removed. Additional soil was excavated when the samples indicated total arsenic concentrations greater than 14 mg/kg. According to the final round of confirmation sampling, total arsenic concentrations are below 14 mg/kg. No further excavation of arsenic-impacted soil is deemed necessary as a result of this effort. A Parcel D post-demolition risk assessment is being prepared to confirm that the site poses no risk to human health or the environment.

Approximately 8,200 cubic yards of non-hazardous soil were transported to the Bradley Landfill for use as daily cover. Forty-two cubic yards of soil were transported to the Kettleman Landfill for disposal as non-RCRA hazardous waste. The disposal activities are documented in the Parcel D Waste Discharge Requirement Monitoring and Reporting document (IESI 1999f).



8. REFERENCES

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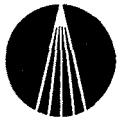
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APPENDIX A

SITE GEOLOGY AND SOIL BORING LOGS

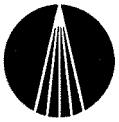
PARCEL D

SITE INVESTIGATION AND EXCAVATION

BOEING REALTY CORPORATION

C-6 FACILITY

SEPTEMBER 1999



APPENDIX A

SITE GEOLOGY AND SOIL BORING LOGS

SITE GEOLOGY

Soil conditions consisted generally of very dark brown, moist, silty clay from the surface to a depth of 4 to 8 feet bgs. The clay is underlain generally by slightly moist, hard, dark yellowish brown clayey silt. The clayey silt generally becomes lighter in color with depth, and grades in and out from clayey silt to sandy silt. Calcareous nodules were commonly observed, most often between 14 and 16 feet bgs. Clayey or sandy silt continues to the terminal depth in most of the soil borings, but is underlain by silty sand at 16 to 18 feet bgs in the westernmost borings B1 and B5. The silty sand is light olive brown, fine, and slightly moist, and continued to 25 feet bgs in both borings.

No soil discoloration, odors, or high photoionization detector readings were observed during the drilling and sampling at Parcel D. Groundwater was not encountered in any of the soil borings.

Boring Log

Kennedy/Jenks Consultants

Boring Log

Kennedy/Jenks Consultants

BORING LOCATION Parcel D					Boring Name <u>B-2</u>	
DRILLING COMPANY <u>Layne Christenson</u>			DRILLER <u>Ruben</u>	Project Name <u>Boeing C-6</u>		
DRILLING METHOD (S) <u>Direct Push</u>			DRILL BIT (S) SIZE <u>1.75"</u>	Project Number <u>994009.00</u>		
DEPTH TO WATER <u>Not Encountered</u>			ELEVATION	Not Surveyed	TOTAL DEPTH <u>26 feet</u>	
LOGGED BY <u>J. Knight</u>			DATE STARTED <u>6-16-99</u>	DATE COMPLETED <u>6-16-99</u>		
SAMPLES						
Drawn	Recovered	Collected	Soil Type	Depth (feet)	Graphic Log	
					USCS Log	
					Munsell Color	
SOIL DESCRIPTION AND DRILLING REMARKS						
continuous core				CL	10YR 2/2	Silty CLAY: very dark brown, moist, firm
				ML	10YR 3/4	Clayey SILT: dark yellowish brown, slightly moist, hard
						some fine sand, decreasing clay
						increasing clay
				2.5Y 4/4		calcareous nodules, olive brown
						Boring terminated at 26 feet
				30		
				35		
				40		

Boring Log

Kennedy/Jenks Consultants

BORING LOCATION Parcel D								Boring Name <u>B-3</u>								
DRILLING COMPANY <u>Layne Christensen</u>				DRILLER <u>Ruben</u>												
DRILLING METHOD (S) <u>Direct Push</u>				DRILL BIT (S) SIZE <u>1.75"</u>												
DEPTH TO WATER Not Encountered								ELEVATION Not Surveyed								
LOGGED BY <u>J. Knight</u>								TOTAL DEPTH 26 feet								
SAMPLES								DATE STARTED <u>6-16-99</u>								
DATE COMPLETED <u>6-16-99</u>																
Driven	Recovered	Collected	Bit Type	Head Space Remaining (cm)	Depth (feet)	Graphic Log	USCS Log	Munsell Color	SOIL DESCRIPTION AND DRILLING REMARKS							
continuous core					5		CL	10YR 2/1	Silty CLAY: black, moist, firm							
									10YR 3/3 dark brown, slightly moist, hard							
									ML 10YR 3/4 Clayey SILT: dark yellowish brown, slightly moist, hard							
									Calcareous nodules							
									2.5Y 4/4 grades to Sandy SILT, olive brown, with Clay							
									2.5Y 5/4 grades to Clayey SILT: light olive brown, slightly moist, hard							
									CL 2.5Y 5/3 Silty Clay: light olive brown, slightly moist, hard							
									Boring terminated at 26 feet							
30																
35																
40																

Boring Log

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BORING LOCATION							Boring Name	B-4	
Parcel D				DRILLER			Project Name		Boeing C-6
DRILLING COMPANY Layne Christensen				DRILL BIT (S) SIZE 1.75"			Project Number		994009.00
DRILLING METHOD (S) Direct Push							ELEVATION	TOTAL DEPTH	
DEPTH TO WATER Not Encountered							Not Surveyed	26 feet	
LOGGED BY J. Knight							DATE STARTED	6-16-99	DATE COMPLETED
SAMPLES							SOIL DESCRIPTION AND DRILLING REMARKS		
Driven	Recovered	Collected	Shoe ft.	Head Space ft.	Reading ft.	Depth (feet)	Graphic Log	USCS Log	Munsell Color
continuous core						0			
						5			CL 10YR 2/2 Silty CLAY: moist, firm, very dark brown
						10			10YR 5/4 yellowish brown, slightly moist, hard
						15			ML 2.5Y 5/4 Clayey SILT: light olive brown, slightly moist, hard grades to fine Sandy SILT with clay
						20			some calcareous nodules, increasing clay
						25			2.5Y 5/4 grades to Clayey SILT, with a trace of fine sand, slightly moist, hard calcareous nodules
						30			Boring terminated at 26 feet
						35			
						40			

Boring Log

Kennedy/Jenks Consultants

BORING LOCATION Parcel D					Boring Name	B-5
DRILLING COMPANY Lavne Christenson			DRILLER Ruben		Project Name	Boeing C-6
DRILLING METHOD (S) Direct Push			DRILL BIT (S) SIZE 1.75"		Project Number	994009.00
DEPTH TO WATER Not Encountered			ELEVATION Not Surveyed		TOTAL DEPTH	25 feet
LOGGED BY J. Knight			DATE STARTED 6-16-99		DATE COMPLETED	6-16-99
SAMPLES						
Driven	Recovered	Collected	Depth (feet)	Graphic Log	USCS Log	Munsell Color
continuous core			0		CL	10YR 3/3
			5		ML	10YR 4/4
			10			grades to fine Sandy SILT
			15			decreasing sand
			20		2.5Y 4/4	grades to Clayey SILT: olive brown, slightly moist, hard
			25		SM	some calcareous nodules
			30			fine sand, decreasing clay
			35			Silty SAND: light olive brown, fine, slightly moist, dense
			40			light olive brown, medium dense
						decreasing silt
						Boring terminated at 25 feet

Boring Log

Kennedy/Jenks Consultants

BORING LOCATION Parcel D						Boring Name B-6
DRILLING COMPANY Layne Christenson			DRILLER Ruben			
DRILLING METHOD (S) Direct Push			DRILL BIT (S) SIZE 1.75"			
DEPTH TO WATER Not Encountered						ELEVATION Not Surveyed
LOGGED BY J. Knight						TOTAL DEPTH 26 feet
						DATE STARTED 6-16-99
						DATE COMPLETED 6-16-99
SAMPLES						
Driven	Recovered	Collected	Depth (feet)	Graphic Log	USCS Log	Munsell Color
SOIL DESCRIPTION AND DRILLING REMARKS						
continuous core				CL	10YR 2/2	Silty CLAY: very dark gray brown, moist, firm
						dark yellowish brown, slightly moist, hard
			5	ML	10YR 4/4	Clayey SILT: dark yellowish brown, slightly moist, hard
						olive brown, with calcareous nodules
			10		2.5Y 5/3	grades to Sandy SILT with a trace of Clay, light olive brown
						grades to Clayey SILT
			15			
			20			
			25			grades to Sandy SILT with Clay, slightly moist, hard
						some calcareous nodules
			30			Boring terminated at 26 feet
			35			
			40			

Boring Log

Kennedy/Jenks Consultants

BORING LOCATION Parcel D						Boring Name B-8					
DRILLING COMPANY Layne Christenson			DRILLER Ruben								
DRILLING METHOD (S) Direct Push			DRILL BIT (S) SIZE 1.75"								
DEPTH TO WATER Not Encountered				ELEVATION	TOTAL DEPTH						
LOGGED BY J. Knight				Not Surveyed	26 feet						
SAMPLES						DATE STARTED 6-16-99					
LOGGED BY J. Knight						DATE COMPLETED 6-16-99					
Driven	Recovered	Collected	Sample #	Read Scale Reading (ft/ftn)	Depth (feet)	Graphic Log	USCS Log	Munsell Color	SOIL DESCRIPTION AND DRILLING REMARKS		
continuous core									Silty CLAY: very dark brown, moist, firm		
									10YR 3/6 dark yellow brown, slightly moist, hard		
									ML 10YR 4/4 grades to Clayey SILT: dark yellow brown, slightly moist, hard		
									some fine sand		
									10YR 5/6 grades to Sandy SILT: yellowish brown, slightly moist, stiff		
									2.5Y 4/4 grades to Clayey SILT: olive brown, slightly moist, hard		
									Boring terminated at 26 feet		

Boring Log

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BORING LOCATION Parcel D					Boring Name <u>B-9</u>									
DRILLING COMPANY <u>Layne Christenson</u>			DRILLER <u>Ruben</u>		Project Name <u>Boeing C-6</u>									
DRILLING METHOD (S) <u>Direct Push</u>			DRILL BIT (S) SIZE <u>1.75"</u>		Project Number <u>994009.00</u>									
DEPTH TO WATER <u>Not Encountered</u>					ELEVATION	TOTAL DEPTH <u>Not Surveyed</u> <u>16 feet</u>								
LOGGED BY <u>J. Knight</u>					DATE STARTED <u>6-16-99</u>	DATE COMPLETED <u>6-16-99</u>								
SAMPLES														
Driven	Recovered	Collected	Sample Type	Hard Soil Rating (cm)	Depth (feet)	Graphic Log	USCS Log							
SOIL DESCRIPTION AND DRILLING REMARKS														
continuous core					3	CL	10YR 2/2 10YR 3/4 10YR 4/4 10YR 4/6							
Asphalt, 3" Silty CLAY: very dark brown, moist, firm														
5														
10YR 3/4 dark yellowish brown														
10YR 4/4 dark yellowish brown, very hard														
10														
ML grades to Clayey SILT: dark yellowish brown, slightly moist, hard														
some fine sand, hard														
15														
Boring terminated at 16 feet														
20														
25														
30														
35														
40														

Boring Log

Kennedy/Jenks Consultants



**INTEGRATED
ENVIRONMENTAL SERVICES, INC.**

APPENDIX B

HEALTH-BASED REMEDIATION GOALS

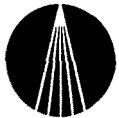
PARCEL D

SITE INVESTIGATION AND EXCAVATION

BOEING REALTY CORPORATION

C-6 FACILITY

SEPTEMBER 1999



APPENDIX B

HEALTH-BASED REMEDIATION GOALS

TABLE B-1
HEALTH-BASED REMEDIATION GOALS (HBRGs),
ORGANIC CONSTITUENTS IN SOIL

Constituent	Construction Worker Initial HBRG	Commercial/ Industrial User Initial HBRG	Final HBRG
1-butanol	1.98E+04	3.46E+04	1.98E+04
1,1-dichloroethane	2.23E+03	1.10E+03	1.10E+03
1,1-dichloroethene	1.57E+01	4.21E+00	4.21E+00
1,1,1,2-tetrachloroethane	4.98E+02	1.44E+04	4.98E+02
1,1,2-trichloroethane	2.23E+02	1.26E+03	2.23E+02
1,1,2,2-tetrachloroethane	6.25E+01	1.50E+03	6.25E+01
1,2-dibromo-3-chloropropane	2.42E+00	7.47E+01	2.42E+00
1,2-dibromoethane	4.86E+00	1.84E+02	4.86E+00
1,2-dichlorobenzene	NA	2.64E+06	2.64E+06
1,2-dichloroethane	2.06E+02	2.66E+02	2.06E+02
1,2-dichloropropane	3.37E+01	7.25E+00	7.25E+00
1,2-diphenylhydrazine	2.03E+01	2.36E+08	2.03E+01
1,2,3-trichloropropane	2.39E+00	4.08E+01	2.39E+00
1,2,4-trichlorobenzene	1.74E+02	4.74E+07	1.74E+02
1,3-dichloropropene	4.83E+01	6.63E+02	4.83E+01
1,4-dichlorobenzene	4.32E+02	4.37E+04	4.32E+02
2-butanone	3.28E+04	2.35E+06	3.28E+04
2-chlorophenol	8.57E+02	1.17E+06	8.57E+02
2-methylphenol	8.66E+03	7.59E+07	8.66E+03
2-naphthylamine	9.81E+00	1.63E+06	9.81E+00
2,4-dichlorophenol	5.21E+01	2.22E+07	5.21E+01
2,4-dimethylphenol	3.48E+03	4.37E+08	3.48E+03
2,4-dinitrophenol	3.49E+01	7.14E+09	3.49E+01
2,4-dinitrotoluene	3.48E+01	7.62E+06	3.48E+01
2,4,5-trichlorophenol	1.73E+04	2.21E+08	1.73E+04
2,4,6-trichlorophenol	2.52E+02	1.10E+07	2.52E+02



TABLE B-1 (CONTINUED)
HEALTH-BASED REMEDIATION GOALS (HBRGs),
ORGANIC CONSTITUENTS IN SOIL

Constituent	Construction Worker Initial HBRG	Commercial/ Industrial User Initial HBRG	Final HBRG
2,6-dinitrotoluene	2.59E+01	4.51E+05	2.59E+01
3,3-dichlorobenzidine	1.47E+01	7.53E+08	1.47E+01
4-chloroaniline	6.93E+01	6.50E+06	6.93E+01
4-methyl-2-pentanone	1.20E+04	6.84E+05	1.20E+04
4-methylphenol	8.69E+01	4.01E+07	8.69E+01
4,4-DDD	1.03E+02	9.97E+08	1.03E+02
4,4-DDE	7.28E+01	2.83E+06	7.28E+01
4,4-DDT	1.22E+01	2.26E+08	1.22E+01
acenaphthene	8.10E+03	1.62E+08	8.10E+03
acetone	1.55E+04	4.37E+05	1.55E+04
acrolein	NA	8.05E+01	8.05E+01
acrylonitrile	1.59E+01	7.65E+01	1.59E+01
aldrin	7.32E-01	2.82E+04	7.32E-01
alpha-BHC	3.93E+00	2.32E+05	3.93E+00
aniline	3.10E+03	1.02E+07	3.10E+03
anthracene	4.06E+03	1.37E+10	4.06E+03
aroclor 1016	NA	7.35E+05	7.35E+05
aroclor 1254	8.70E-01	5.69E+05	8.70E-01
benzene	1.43E+02	1.71E+02	1.43E+02
benzidine	3.52E-02	1.55E+02	3.52E-02
benzoic acid	6.96E+04	6.58E+10	6.96E+04
benzo(a)anthracene	1.14E+01	1.13E+09	1.14E+01
benzo(a)pyrene	1.14E+00	9.56E+07	1.14E+00
benzo(b)fluoranthene	1.14E+01	3.19E+08	1.14E+01
benzo(k)fluoranthene	1.14E+01	9.56E+07	1.14E+01
benzyl alcohol	1.73E+04	3.81E+08	1.73E+04
benzyl chloride	1.00E+02	4.03E+03	1.00E+02
beta-BHC	1.38E+01	9.94E+06	1.38E+01
beta-chloronaphthalene	NA	2.32E+07	2.32E+07
bis(2-chloro-1-methylethyl)ether	2.49E+02	2.93E+04	2.49E+02
bis(2-chloroethyl)ether	6.91E+00	6.91E+02	6.91E+00
bis(2-ethylhexyl)phthalate	2.10E+03	3.59E+09	2.10E+03
bromodichloromethane	1.30E+02	2.94E+03	1.30E+02



TABLE B-1 (CONTINUED)
HEALTH-BASED REMEDIATION GOALS (HBRGs),
ORGANIC CONSTITUENTS IN SOIL

Constituent	Construction Worker Initial HBRG	Commercial/ Industrial User Initial HBRG	Final HBRG
bromoform	3.34E+02	1.28E+05	3.34E+02
bromomethane	NA	1.15E+02	1.15E+02
carbazole	8.83E+02	6.66E+08	8.83E+02
carbon disulfide	1.43E+03	7.04E+04	1.43E+03
carbon tetrachloride	9.71E+01	1.35E+02	9.71E+01
chlordan	1.04E+00	1.55E+05	1.04E+00
chlorobenzene	NA	2.83E+04	2.83E+04
chloroform	1.49E+02	9.58E+02	1.49E+02
chloromethane	7.43E+02	7.40E+01	7.40E+01
chrysene	1.14E+02	5.06E+10	1.14E+02
cis-1,2-dichloroethene	1.34E+03	7.51E+03	1.34E+03
cumene	3.79E+03	5.73E+04	3.79E+03
dibenzo(a,h)anthracene	3.35E+00	6.34E+11	3.35E+00
dibromochloromethane	1.50E+02	1.54E+02	1.50E+02
dichlorodifluoromethane	2.14E+03	7.01E+02	7.01E+02
dieldrin	1.22E+00	2.33E+04	1.22E+00
diethyl phthalate	1.39E+05	6.03E+09	1.39E+05
di-n-butylphthalate	1.74E+04	4.19E+08	1.74E+04
di-n-octylphthalate	3.49E+02	1.80E+10	3.49E+02
endosulfan	1.46E+02	2.14E+08	1.46E+02
endrin	7.33E+00	1.37E+08	7.33E+00
ethyl chloride	1.42E+05	1.57E+06	1.42E+05
ethylbenzene	NA	7.33E+05	7.33E+05
fluoranthene	6.97E+03	3.03E+10	6.97E+03
fluorene	6.94E+03	1.40E+08	6.94E+03
gamma-BHC	2.32E+01	2.63E+05	2.32E+01
heptachlor	2.87E+00	1.78E+03	2.87E+00
heptachlor epoxide	3.14E-01	1.35E+03	3.14E-01
hexachlorobenzene	9.69E+00	2.80E+03	9.69E+00
hexachlorobutadiene	2.24E+02	7.13E+04	2.24E+02
hexachlorocyclopentadiene	8.87E+01	9.79E+02	8.87E+01
hexachloroethane	1.73E+02	2.39E+05	1.73E+02
indeno(1,2,3-cd)pyrene	1.47E+01	1.23E+11	1.47E+01
isobutyl alcohol	4.81E+04	2.55E+06	4.81E+04

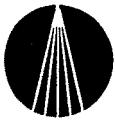


TABLE B-1 (CONTINUED)
HEALTH-BASED REMEDIATION GOALS (HBRGs),
ORGANIC CONSTITUENTS IN SOIL

Constituent	Construction Worker Initial HBRG	Commercial/ Industrial User Initial HBRG	Final HBRG
isophorone	1.85E+04	2.92E+07	1.85E+04
methoxychlor	8.71E+01	1.48E+09	8.71E+01
methyl methacrylate	1.06E+03	5.56E+04	1.06E+03
methylene bromide	1.51E+03	2.75E+04	1.51E+03
methylene chloride	1.07E+03	1.26E+03	1.07E+03
methyl-tert-butyl ether	NA	1.39E+06	1.39E+06
n-butylbenzyl phthalate	3.48E+03	6.52E+09	3.48E+03
nitroaniline, o-	8.07E+03	2.45E+06	8.07E+03
nitrobenzene	8.61E+01	1.78E+05	8.61E+01
nitrosodiphenylamine, p-	8.02E+02	1.03E+07	8.02E+02
n-nitrosodimethylamine	2.60E-01	1.38E-02	1.38E-02
n-nitroso-di-n-propylamine	2.48E+00	4.46E+02	2.48E+00
n-nitrosodiphenylamine	1.96E+03	4.80E+09	1.96E+03
o-chlorotoluene	3.14E+03	1.05E+05	3.14E+03
p-chloro-m-cresol	3.48E+04	NA	3.48E+04
pentachlorophenol	3.04E+02	3.09E+07	3.04E+02
phenol	1.04E+04	3.14E+09	1.04E+04
pyrene	2.35E+03	4.11E+10	2.35E+03
styrene	3.02E+05	7.58E+06	3.02E+05
tetrachloroethene	3.36E+02	7.52E+03	3.36E+02
toluene	3.12E+04	2.41E+05	3.12E+04
toxaphene	1.47E+01	9.16E+04	1.47E+01
trans-1,2-dichloroethene	2.68E+03	1.47E+04	2.68E+03
trichloroethene	1.05E+03	1.39E+03	1.05E+03
trichlorofluoromethane	1.03E+04	4.89E+04	1.03E+04
vinyl acetate	5.41E+03	2.31E+05	5.41E+03
vinyl chloride	5.16E+00	1.81E-01	1.81E-01
xylenes	3.26E+04	2.61E+07	3.26E+04

NA = Not Available

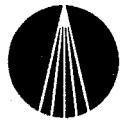


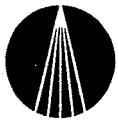
TABLE B-2
HEALTH-BASED REMEDIATION GOALS (HBRGs),
INORGANIC CONSTITUENTS IN SOIL

Constituent	Initial HBRG	Background Level*	Final HBRG
aluminum	NT	3.63E+04	3.63E+04
antimony	9.05E+00	5.00E+00	9.05E+00
arsenic	8.87E+00	1.40E+01	1.40E+01
barium	2.52E+03	2.81E+02	2.52E+03
beryllium	1.56E+01	7.40E-01	1.56E+01
cadmium	1.64E+01	8.80E-01	1.64E+01
calcium	NT	3.80E+04	3.80E+04
chromium III	3.22E+04	4.10E+01	3.22E+04
chromium VI	9.73E+01	NA	9.73E+01
cobalt	NT	2.00E+01	2.00E+01
copper	1.26E+03	5.30E+01	1.26E+03
cyanide	6.99E+02	NA	6.99E+02
iron	NT	6.05E+04	6.05E+04
lead	NT	1.11E+02	1.11E+02
mercury	6.78E+00	2.80E-01	6.78E+00
molybdenum	1.24E+03	2.30E+01	1.24E+03
nickel	2.39E+02	2.90E+01	2.39E+02
potassium	NT	8.26E+03	8.26E+03
selenium	1.82E+02	1.24E+03	1.24E+03
silver	1.30E+02	2.39E+02	2.39E+02
sodium	NT	1.96E+03	1.96E+03
thallium	NT	1.10E+01	1.10E+01
titanium	NT	1.95E+03	1.95E+03
vanadium	8.37E+01	8.20E+01	8.37E+01
zinc	8.73E+03	1.98E+02	8.73E+03

*Background values from ILM Baseline Risk Assessment (G&M 1996).

NA = Not Available

NT = No Toxicity values available for calculation of HBRG



INTEGRATED
ENVIRONMENTAL SERVICES, INC.

APPENDIX C

LABORATORY REPORTS FOR SITE INVESTIGATION SAMPLING

PARCEL D

SITE INVESTIGATION AND EXCAVATION
BOEING REALTY CORPORATION
C-6 FACILITY
SEPTEMBER 1999

Kennedy Jenks Consultants
Attn: Mr. Jay Knight
151 Michelson Drive, Suite 10
Irvine, CA 92612

Client Project ID: Boeing C-6
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)	<i>Sampled:</i>	---	07/30/99	07/30/99	07/30/99
Laboratory Reference #: KJC 11053	<i>Received:</i>	---	07/30/99	07/30/99	07/30/99
	<i>Analyzed:</i>	08/02/99	08/02/99	08/02/99	08/02/99
	<i>Reported:</i>	08/04/99	08/04/99	08/04/99	08/04/99
	<i>Lab Sample I.D.</i>	MB	99070470	99070471	99070472
	<i>Client Sample I.D.</i>	---	Par D-B7-	Par D-B7-	Par D-B7-
			1-10	2-15	3-25

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS			
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlordane	57-74-9	10	<10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0	<5.0
-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

Sampled: 06/16/99
Received: 06/17/99
Analyzed: 06/21/99
Reported: 06/25/99

Lab Sample I.D. 99060199
Client Sample I.D. Par D-B8
-4-15

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS μg/kg
Aldrin	309-00-2	1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0
Chlordane	57-74-9	10	<10
4,4'-DDD	72-54-8	2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10
Endrin	72-20-8	2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0
Methoxychlor	72-43-5	30	<30
Toxaphene	8001-35-2	35	<35

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-0.5
Laboratory Sample Number: 99070361
Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

ORGANOCHLORINATED PESTICIDES (EPA 8080)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS μg/kg
Aldrin	309-00-2	1.0	N.D.
alpha-BHC	319-84-6	1.0	N.D.
beta-BHC	319-85-7	1.0	N.D.
delta-BHC	319-86-8	2.0	N.D.
gamma-BHC (Lindane)	58-89-9	1.0	N.D.
Chlordane	57-74-9	10	N.D.
4,4'-DDD	72-54-8	2.0	N.D.
4,4'-DDE	72-55-9	5.0	7.7
4,4'-DDT	50-29-3	1.0	N.D.
Dieldrin	60-57-1	2.0	N.D.
Endosulfan I	959-98-8	1.0	N.D.
Endosulfan II	33212-65-9	2.0	N.D.
Endosulfan sulfate	1031-07-8	10	N.D.
Endrin	72-20-8	2.0	N.D.
Endrin aldehyde	7421-93-4	2.0	N.D.
Heptachlor	76-44-8	1.0	N.D.
Heptachlor epoxide	1024-57-3	1.0	N.D.
Methoxychlor	72-43-5	30	N.D.
Toxaphene	8001-35-2	35	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-5.0
Laboratory Sample Number: 99070363
Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

ORGANOCHLORINATED PESTICIDES (EPA 8080)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS μg/kg
Aldrin	309-00-2	1.0	N.D.
alpha-BHC	319-84-6	1.0	N.D.
beta-BHC	319-85-7	1.0	N.D.
delta-BHC	319-86-8	2.0	N.D.
gamma-BHC (Lindane)	58-89-9	1.0	N.D.
Chlordane	57-74-9	10	N.D.
4,4'-DDD	72-54-8	2.0	4.9
4,4'-DDE	72-55-9	5.0	26
4,4'-DDT	50-29-3	1.0	8.4
Dieldrin	60-57-1	2.0	N.D.
Endosulfan I	959-98-8	1.0	N.D.
Endosulfan II	33212-65-9	2.0	N.D.
Endosulfan sulfate	1031-07-8	10	N.D.
Endrin	72-20-8	2.0	2.2
Endrin aldehyde	7421-93-4	2.0	N.D.
Heptachlor	76-44-8	1.0	N.D.
Heptachlor epoxide	1024-57-3	1.0	N.D.
Methoxychlor	72-43-5	30	N.D.
Toxaphene	8001-35-2	35	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Water)

<i>Sampled:</i>	—	06/16/99	06/16/99
<i>Received:</i>	—	06/17/99	06/17/99
<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99
<i>Reported:</i>	06/25/99	06/25/99	06/25/99

Laboratory Reference #: KJC 10950

<i>Lab Sample I.D.</i>	MB	99060200	99060201
<i>Client Sample I.D.</i>	—	Rinsate-1	Field Blank-1

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/l	SAMPLE RESULTS		
			μg/l	μg/l	μg/l
PCB-1016	12674-11-2	5.0	<5.0	<5.0	<5.0
PCB-1221	111104-28-2	5.0	<5.0	<5.0	<5.0
PCB-1232	11141-16-5	5.0	<5.0	<5.0	<5.0
PCB-1242	53469-21-9	5.0	<5.0	<5.0	<5.0
PCB-1248	12672-29-6	5.0	<5.0	<5.0	<5.0
PCB-1254	11097-69-1	5.0	<5.0	<5.0	<5.0
1-1260	11096-82-5	5.0	<5.0	<5.0	<5.0

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	—	06/16/99	06/16/99	06/16/99
Received:	—	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Laboratory Reference #: KJC1949

<i>Lab Sample I.D.</i>	Method Blank	99060159	99060160	99060167
<i>Client Sample I.D.</i>	—	Par D-B10	Par D-B10	Par D-B9
		-1-0.5	-2-5	-1-0.5

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
PCB-1016	12674-11-2	50	<50	<50	<50	<50
PCB-1221	111104-28-2	50	<50	<50	<50	<50
PCB-1232	11141-16-5	50	<50	<50	<50	<50
PCB-1242	53469-21-9	50	<50	<50	<50	<50
PCB-1248	12672-29-6	50	<50	<50	<50	<50
PCB-1254	11097-69-1	50	<50	<50	<50	<50
PCB-1260	11096-82-5	50	<50	<50	<50	<50

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC1949

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/18/99	06/18/99	06/18/99	06/18/99
<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99

<i>Lab Sample I.D.</i>	Method Blank	99060161	99060162	99060169
<i>Client Sample I.D.</i>	—	Par D-B10	Par D-B10	Par D-B9
		-3-10	-4-15	-3-10

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS		
		μg/kg	μg/kg	μg/kg	μg/kg	μg/kg
PCB-1016	12674-11-2	20	<20	<20	<20	<20
PCB-1221	111104-28-2	20	<20	<20	<20	<20
PCB-1232	11141-16-5	20	<20	<20	<20	<20
PCB-1242	53469-21-9	20	<20	<20	<20	<20
B-1248	12672-29-6	20	<20	<20	<20	<20
B-1254	11097-69-1	20	<20	<20	<20	<20
PCB-1260	11096-82-5	20	<20	<20	<20	<20

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC1949

Sampled: 06/16/99

Received: 06/16/99

Analyzed: 06/17/99

Reported: 06/17/99

Lab Sample I.D. 99060168

Client Sample I.D. Par D-B9

-2-5

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
			µg/kg	µg/kg
PCB-1016	12674-11-2	50	<50	
PCB-1221	111104-28-2	50	<50	
PCB-1232	111141-16-5	50	<50	
PCB-1242	53469-21-9	50	<50	
~8-1248	12672-29-6	50	<50	
~8-1254	11097-69-1	50	<50	
PCB-1260	11096-82-5	50	<50	

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/18/99
Reported: 06/24/99

Laboratory Reference #: KJC1949

Lab Sample I.D. 99060170
Client Sample I.D. Par D-89
-4-15

POLYCHLORINATED BIPHENYL'S (EPA 8082)

ANALYTE	CAS NUMBER	DETECTION LIMIT µg/kg	SAMPLE RESULTS	
			µg/kg	µg/kg
PCB-1016	12674-11-2	20	<20	
PCB-1221	111104-28-2	20	<20	
PCB-1232	11141-16-5	20	<20	
PCB-1242	53469-21-9	20	<20	
B-1248	12672-29-6	20	<20	
JB-1254	11097-69-1	20	<20	
PCB-1260	11096-82-5	20	<20	

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,
Laboratory Reference #: KJC 10949

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/24/99

DIESEL (EPA 8015m)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
061799	Method Blank	N.D.
99060161	Par D-B10-3-10	N.D.
99060162	Par D-B10-4-15	N.D.
99060165	Par D-B1-3-10	N.D.
99060166	Par D-B1-4-15	N.D.
99060169	Par D-B9-3-10	N.D.
99060170	Par D-B9-4-15	N.D.
99060173	Par D-B3-3-10	N.D.
99060174	Par D-B3-4-15	N.D.
99060177	Par D-B4-3-10	N.D.
99060178	Par D-B4-4-15	N.D.

Detection Limit:**8.0**

Analyte reported as N.D. was not present above the stated limited of detection.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/24/99

Laboratory Reference #: KJC 10949

DIESEL (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg
99060181	Par D-B2-3-10	N.D.
99060182	Par D-B2-4-15	N.D.
99060183	Par D-B2-5-25	N.D.
99060184	Par D-B6-1-0.5	N.D.
99060185	Par D-B6-2-5	N.D.
99060186	Par D-B6-3-10	N.D.

Detection Limit:

8.0

Analyte reported as N.D. was not present above the stated limited of detection.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/18/99
Reported: 06/24/99

Laboratory Reference #: KJC 10949

DIESEL (EPA 8015m)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060187	Par D-B6-4-15	N.D.
99060189	Par D-B3-3-10D	N.D.
99060190	Par D-B1-5-25	N.D.
99060191	Par D-B4-5-25	N.D.

Detection Limit:**8.0**

Analyte reported as N.D. was not present above the stated limited of detection.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/17/99

Laboratory Reference #: KJC 10949

DIESEL (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg
MB061799	Method Blank	N.D.
99060159	Par D-B10-1-0.5	N.D.
99060160	Par D-B10-2-5	N.D.
99060163	Par D-B1-1-0.5	N.D.
99060164	Par D-B1-2-5	N.D.
99060167	Par D-B9-1-0.5	N.D.
99060168	Par D-B9-2-5	N.D.
99060171	Par D-B3-1-0.5	N.D.
99060172	Par D-B3-2-5	N.D.
99060175	Par D-B4-1-0.5	N.D.
99060176	Par D-B4-2-5	N.D.
99060179	Par D-B2-1-0.5	N.D.
99060180	Par D-B2-2-5	N.D.

Detection Limit: 8.0

Analyte reported as N.D. was not present above the stated limit of detection.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Water,

Sampled: 06/16/99
Received: 06/17/99
Analyzed: 06/21/99
Reported: 06/25/99

Laboratory Reference #: KJC 10950

DIESEL (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/l

62199	Method Blank	N.D.
99060200	Rinsate-1	N.D.
99060201	Field Blank-1	N.D.

Detection Limit:	0.5
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Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

BOE-C6-0007897

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/17/99

Laboratory Reference #: KJC 10949

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY	CLIENT	SAMPLE	SAMPLE
SAMPLE	SAMPLE	RESULTS	
NUMBER	NUMBER	mg/kg	
MB061799	Method Blank	N.D.	
99060159	Par D-B10-1-0.5	N.D.	
99060160	Par D-B10-2-5	N.D.	
99060163	Par D-B1-1-0.5	N.D.	
99060164	Par D-B1-2-5	N.D.	
99060167	Par D-B9-1-0.5	N.D.	
99060168	Par D-B9-2-5	N.D.	
99060171	Par D-B3-1-0.5	N.D.	
99060172	Par D-B3-2-5	N.D.	
99060175	Par D-B4-1-0.5	N.D.	
99060176	Par D-B4-2-5	N.D.	
99060179	Par D-B2-1-0.5	N.D.	
99060180	Par D-B2-2-5	N.D.	

Detection Limit: 5.0

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/24/99

Laboratory Reference #: KJC 10949

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
61799	Method Blank	N.D.
99060161	Par D-B10-3-10	N.D.
99060162	Par D-B10-4-15	N.D.
99060165	Par D-B1-3-10	N.D.
99060166	Par D-B1-4-15	N.D.
99060169	Par D-B9-3-10	N.D.
99060170	Par D-B9-4-15	N.D.
99060173	Par D-B3-3-10	N.D.
99060174	Par D-B3-4-15	N.D.
99060177	Par D-B4-3-10	N.D.
99060178	Par D-B4-4-15	N.D.

Detection Limit:

5.0

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/21/99
Reported: 06/24/99

Laboratory Reference #: KJC 10949

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg
99060181	Par D-B2-3-10	N.D.
99060182	Par D-B2-4-15	N.D.
99060183	Par D-B2-5-25	N.D.
99060184	Par D-B6-1-0.5	N.D.
99060185	Par D-B6-2-5	N.D.
99060186	Par D-B6-3-10	N.D.
99060187	Par D-B6-4-15	N.D.
99060189	Par D-B3-3-10D	N.D.
99060190	Par D-B1-5-25	N.D.
99060191	Par D-B4-5-25	N.D.

Detection Limit:

5.0

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 06/16/99
Received: 06/17/99
Analyzed: 06/21/99
Reported: 06/25/99

Laboratory Reference #: KJC 10950

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg
62199	Method Blank	N.D.
99060192	Par D-B5-1-0.5	N.D.
99060193	Par D-B5-2-5	N.D.
99060194	Par D-B5-3-10	N.D.
99060195	Par D-B5-4-15	N.D.
99060196	Par D-B8-1-0.5	N.D.
99060197	Par D-B8-2-5	N.D.
99060198	Par D-B8-3-10	N.D.
99060199	Par D-B8-4-15	N.D.
99060203	Par D-B8-3-1CD	N D

Detection Limit:

5.0

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Water,

Sampled: 06/16/99
Received: 06/17/99
Analyzed: 06/22/99
Reported: 06/25/99

Laboratory Reference #: KJC 10950

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	µg/l

62299	Method Blank	N.D.
99060200	Rinsate-1	N.D.
99060201	Field Blank-1	N.D.

Detection Limit: 50

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 parcel D
Client Project #: 994009.00

Sample Description: Soil.

Sampled: 06/16/99
Received: 06/17/99
Analyzed: 06/18/99
Reported: 06/25/99

Laboratory Reference #: KJC 10950

DIESEL (EPA 8015m)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
61899	Method Blank	N.D.
99060192	Par D-B5-1-0.5	N.D.
99060193	Par D-B5-2-5	N.D.
99060194	Par D-B5-3-10	N.D.
99060195	Par D-B5-4-15	N.D.
99060196	Par D-B8-1-0.5	N.D.
99060197	Par D-B8-2-5	N.D.
99060198	Par D-B8-3-10	N.D.
99060199	Par D-B8-4-15	N.D.
99060203	Par D-B8-3-100	N.D.

Detection Limit:	8.0
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Analyte reported as N.D. was not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil,

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

Laboratory Reference #: IES 11030

DIESEL (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg
99070361	Par D-B7-0.5	N.D.
99070363	Par D-B7-5.0	N.D.

Detection Limit: 8.0

Analyte reported as N.D. was not present above the stated limit of detection

int m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil,

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/20/99
Reported: 07/22/99

Laboratory Reference #: IES 11030

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg

99070361	Par D-B7-0.5	N.D.
99070363	Par D-B7-5.0	N.D.

Detection Limit:	5.0
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Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

int m.m.

Orange Coast Analytical, Inc.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr, Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 07/30/99
Received: 07/30/99
Analyzed: 08/02/99
Reported: 08/04/99

Laboratory Reference #: KJC 11053

DIESEL (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg

99070470	Par D-B7-1-10	N.D.
99070471	Par D-B7-2-15	N.D.
99070472	Par D-B7-3-25	N.D.

Detection Limit: 8.0

Analyte reported as N.D. was not present above the stated limit of detection.

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr, Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6
Client Project #: 994009.00

Sample Description: Soil,

Sampled: 07/30/99
Received: 07/30/99
Analyzed: 07/30/99
Reported: 08/04/99

Laboratory Reference #: KJC 11053

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

LABORATORY	CLIENT	SAMPLE
SAMPLE	SAMPLE	RESULTS
NUMBER	NUMBER	mg/kg
99070470	Par D-B7-1-10	N.D.
99070471	Par D-B7-2-15	N.D.
99070472	Par D-B7-3-25	N.D.

Detection Limit:

5.0

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C14. Analyte reported as N.D. was not present above the stated limit of detections.

INTm:n

Orange Coast Analytical, Inc.

BOE-C6-0007907

Kennedy Jenks Consultants
 ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)	Sampled:	—	06/16/99	06/16/99	06/16/99
	Received:	—	06/17/99	06/17/99	06/17/99
	Reported:	06/25/99	06/25/99	06/25/99	06/25/99

Laboratory Reference #: KJC 10950

Lab Sample I.D.	Method Blank	99060192	99060193	99060194
Client Sample I.D.	—	Par D-B5	Par D-B5	Par D-B5
		-1-0.5	-2-5	-3-10

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
Antimony	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	<1.0	6.5	6.0	6.8
Barium	06/18/99	6010	0.5	<0.5	140	150	140
Beryllium	06/18/99	6010	0.5	<0.5	0.77	0.68	0.67
Manganese	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	06/22/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	<0.5	27	22	24
Cobalt	06/18/99	6010	0.5	<0.5	11	11	12
Copper	06/18/99	6010	0.5	<0.5	24	24	30
Lead	06/18/99	6010	1.0	<1.0	5.5	5.4	5.8
Mercury	06/21/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/18/99	6010	0.5	<0.5	23	21	20
Selenium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	<0.5	56	49	49
Zinc	06/18/99	6010	0.5	<0.5	61	60	64

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/25/99	06/25/99	06/25/99	06/25/99

Laboratory Reference #: KJC 10950

<i>Lab Sample I.D.</i>	99060195	99060196	99060197	99060198
<i>Client Sample I.D.</i>	Par D-B5	Par D-B8	Par D-B8	Par D-B8
	-4-15	-1-0.5	-2-5	-3-10

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
				mg/kg	mg/kg	mg/kg	mg/kg
Antimony	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	7.9	5.4	5.8	6.2
Barium	06/18/99	6010	0.5	160	130	180	140
Beryllium	06/18/99	6010	0.5	0.79	0.72	0.86	0.64
Cesium	06/18/99	6010	0.5	0.53	<0.5	<0.5	<0.5
Chromium (VI)	06/22/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	27	24	26	24
Cobalt	06/18/99	6010	0.5	13	11	11	12
Copper	06/18/99	6010	0.5	38	21	20	30
Lead	06/18/99	6010	1.0	6.9	7.5	5.7	5.3
Mercury	06/21/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/18/99	6010	0.5	21	18	19	22
Selenium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	61	49	52	51
Zinc	06/18/99	6010	0.5	73	53	54	62

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
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 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

<i>Sampled:</i>	06/16/99	06/16/99
<i>Received:</i>	06/17/99	06/17/99
<i>Reported:</i>	06/25/99	06/25/99

Laboratory Reference #: KJC 10950

<i>Lab Sample I.D.</i>	99060199	99060203
<i>Client Sample I.D.</i>	Par D-B8 -4-15	Par D-B8 -3-10D

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT	SAMPLE RESULTS	
			<i>mg/kg</i>	<i>mg/kg</i>	<i>mg/kg</i>
Antimony	06/18/99	6010	5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	6.0	6.8
Barium	06/18/99	6010	0.5	180	140
Beryllium	06/18/99	6010	0.5	0.73	0.70
Cadmium	06/18/99	6010	0.5	<0.5	<0.5
Chromium (VI)	06/22/99	7196	0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	26	27
Cobalt	06/18/99	6010	0.5	14	13
Copper	06/18/99	6010	0.5	32	32
Lead	06/18/99	6010	1.0	5.5	5.7
Mercury	06/21/99	7471	0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0
Nickel	06/18/99	6010	0.5	21	26
Selenium	06/18/99	6010	5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	54	55
Zinc	06/18/99	6010	0.5	76	63

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Water)	Sampled:	—	06/16/99	06/16/99
	Received:	—	06/17/99	06/17/99
	Reported:	06/25/99	06/25/99	06/25/99

Laboratory Reference #: KJC 10905

Lab Sample I.D.	MB	99060200	99060201
Client Sample I.D.	—	Rinsate-1	Field Blank-1

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT <i>mg/l</i>	SAMPLE RESULTS
Antimony	06/21/99	6010	0.1	<0.1 <0.1 <0.1
Arsenic	06/21/99	6010	0.1	<0.1 <0.1 <0.1
Barium	06/21/99	6010	0.01	<0.01 <0.01 0.031
Beryllium	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Cadmium	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Chromium (VI)	06/17/99	7196	0.01	<0.01 <0.01 <0.01
Chromium (Total)	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Cobalt	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Copper	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Lead	06/21/99	6010	0.05	<0.05 <0.05 <0.05
Mercury	06/24/99	7471	0.001	<0.001 <0.001 <0.001
Molybdenum	06/21/99	6010	0.05	<0.05 <0.05 <0.05
Nickel	06/21/99	6010	0.01	<0.01 0.016 <0.01
Selenium	06/21/99	6010	0.1	<0.1 <0.1 <0.1
Silver	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Thallium	06/21/99	6010	0.1	<0.1 <0.1 <0.1
Vanadium	06/21/99	6010	0.01	<0.01 <0.01 <0.01
Zinc	06/21/99	6010	0.01	<0.01 0.015 0.26

Kennedy Jenks Consultants

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Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/16/99	06/16/99	06/16/99
<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

Laboratory Reference #: KJC 10949

<i>Lab Sample I.D.</i>	Method Blank	99060159	99060160	99060163
<i>Client Sample I.D.</i>	—	Par D-B10	Par D-B10	Par D-B1
		-1-0.5	-2-5	-1-0.5

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
Antimony	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/17/99	6010	1.0	<1.0	3.7	5.6	7.0
Barium	06/17/99	6010	0.5	<0.5	130	150	130
Beryllium	06/17/99	6010	0.5	<0.5	<0.5	0.62	0.56
Chromium	06/17/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	06/17/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/17/99	6010	0.5	<0.5	16	21	18
Cobalt	06/17/99	6010	0.5	<0.5	11	10	9.3
Copper	06/17/99	6010	0.5	<0.5	14	18	24
Lead	06/17/99	6010	1.0	<1.0	4.8	7.0	27
Mercury	06/17/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/17/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/17/99	6010	0.5	<0.5	13	18	14
Selenium	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/17/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/17/99	6010	0.5	<0.5	34	48	37
Zinc	06/17/99	6010	0.5	<0.5	33	52	64

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	—	06/16/99	06/16/99	06/16/99
Received:	—	06/16/99	06/16/99	06/16/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	Method Blank	99060161	99060162	99060165
Client Sample I.D.	—	Par D-B10	Par D-B10	Par D-B1
		-3-10	-4-15	-3-10

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT	SAMPLE RESULTS			
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	<1.0	5.9	6.6	6.2
Barium	06/18/99	6010	0.5	<0.5	110	160	120
Beryllium	06/18/99	6010	0.5	<0.5	0.52	0.79	0.51
Manganese	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	06/21/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	<0.5	20	28	23
Cobalt	06/18/99	6010	0.5	<0.5	9.8	14	10
Copper	06/18/99	6010	0.5	<0.5	27	36	23
Lead	06/18/99	6010	1.0	<1.0	6.0	6.2	4.2
Mercury	06/21/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/18/99	6010	0.5	<0.5	19	20	15
Selenium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	<0.5	46	62	46
Zinc	06/18/99	6010	0.5	<0.5	1000	77	50

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Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

Laboratory Reference #: KJC 10949

<i>Lab Sample I.D.</i>	99060164	99060167	99060168	99060171
<i>Client Sample I.D.</i>	Par D-B1	Par D-B9	Par D-B9	Par D-B3
	-2-5	-1-0.5	-2-5	-1-0.5

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
Antimony	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/17/99	6010	1.0	7.7	3.6	4.6	18
Barium	06/17/99	6010	0.5	130	89	120	130
Beryllium	06/17/99	6010	0.5	0.78	<0.5	0.62	0.64
Chromium (VI)	06/17/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/17/99	6010	0.5	29	16	24	22
Cobalt	06/17/99	6010	0.5	13	9.2	8.4	10
Copper	06/17/99	6010	0.5	31	13	16	35
Lead	06/17/99	6010	1.0	7.1	4.1	4.8	9.0
Mercury	06/17/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/17/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/17/99	6010	0.5	23	11	13	15
Selenium	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/17/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/17/99	6010	0.5	59	33	47	44
Zinc	06/17/99	6010	0.5	66	31	45	50

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	99060166	99060169	99060170	99060173
Client Sample I.D.	Par D-B1	Par D-B9	Par D-B9	Par D-B3
	-4-15	-3-10	-4-15	-3-10

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
				mg/kg	mg/kg	mg/kg	mg/kg
Antimony	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	6.7	7.3	6.1	7.8
Barium	06/18/99	6010	0.5	160	140	140	130
Beryllium	06/18/99	6010	0.5	0.74	0.71	0.65	0.82
Titanium	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	06/21/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	27	27	24	31
Cobalt	06/18/99	6010	0.5	12	12	12	13
Copper	06/18/99	6010	0.5	31	31	28	36
Lead	06/18/99	6010	1.0	5.6	5.2	5.1	6.6
Mercury	06/21/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/18/99	6010	0.5	20	21	18	25
Selenium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	59	58	52	61
Zinc	06/18/99	6010	0.5	69	59	67	71

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	99060172	99060175	99060176	99060179
Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
	-2-5	-1-0.5	-2-5	-1-0.5

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT	SAMPLE RESULTS			
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/17/99	6010	1.0	5.5	4.1	6.5	5.6
Barium	06/17/99	6010	0.5	140	110	150	180
Beryllium	06/17/99	6010	0.5	0.86	0.57	0.86	0.89
Cadmium	06/17/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Cadmium (VI)	06/17/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/17/99	6010	0.5	28	19	27	26
Cobalt	06/17/99	6010	0.5	11	11	12	10
Copper	06/17/99	6010	0.5	18	17	24	14
Lead	06/17/99	6010	1.0	5.4	5.0	5.7	5.4
Mercury	06/17/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/17/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/17/99	6010	0.5	18	14	22	18
Selenium	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/17/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/17/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/17/99	6010	0.5	52	39	58	52
Zinc	06/17/99	6010	0.5	51	37	61	44

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled: 06/16/99
Received: 06/16/99
Reported: 06/17/99

Laboratory Reference #: KJC 10949

Lab Sample I.D. 99060180
Client Sample I.D. Par D-B2
-2-5

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT <i>mg/kg</i>	SAMPLE RESULTS <i>mg/kg</i>
Antimony	06/17/99	6010	5.0	<5.0
Arsenic	06/18/99	6010	1.0	6.3
Barium	06/19/99	6010	0.5	170
Beryllium	06/20/99	6010	0.5	0.71
Chromium	06/21/99	6010	0.5	<0.5
Chromium (VI)	06/22/99	7196	0.5	<0.5
Chromium (Total)	06/23/99	6010	0.5	26
Cobalt	06/24/99	6010	0.5	15
Copper	06/25/99	6010	0.5	28
Lead	06/26/99	6010	1.0	5.5
Mercury	06/27/99	7471	0.1	<0.1
Molybdenum	06/17/99	6010	1.0	<1.0
Nickel	06/17/99	6010	0.5	22
Selenium	06/17/99	6010	5.0	<5.0
Silver	06/17/99	6010	0.5	<0.5
Thallium	06/17/99	6010	5.0	<5.0
Vanadium	06/17/99	6010	0.5	57
Zinc	06/17/99	6010	0.5	71

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	99060174	99060177	99060178	99060181
Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
	-4-15	-3-10	-4-15	-3-10

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
				mg/kg	mg/kg	mg/kg	mg/kg
Antimony	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	7.2	6.2	6.6	6.3
Barium	06/18/99	6010	0.5	190	140	160	220
Beryllium	06/18/99	6010	0.5	0.88	0.60	0.69	0.56
Manganese	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	06/21/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	31	24	25	22
Cobalt	06/18/99	6010	0.5	14	11	13	10
Copper	06/18/99	6010	0.5	38	28	31	24
Lead	06/18/99	6010	1.0	7.9	4.9	5.4	4.6
Mercury	06/21/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	06/18/99	6010	0.5	23	19	19	20
Selenium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	60	52	58	49
Zinc	06/18/99	6010	0.5	86	60	71	52

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	99060186	99060187	99060189	99060190
Client Sample I.D.	Par D-B6	Par D-B6	Par D-B3	Par D-B1
	-3-10	-4-15	-3-10D	-5-25

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	SAMPLE RESULTS			
				mg/kg	mg/kg	mg/kg	mg/kg
Antimony	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	06/18/99	6010	1.0	7.3	7.9	7.0	12
Barium	06/18/99	6010	0.5	120	170	140	37
Beryllium	06/18/99	6010	0.5	0.54	0.76	0.81	<0.5
Manganese	06/18/99	6010	0.5	<0.5	0.54	<0.5	<0.5
Chromium (VI)	06/22/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	22	29	34	11
Cobalt	06/18/99	6010	0.5	10	13	12	4.7
Copper	06/18/99	6010	0.5	23	35	31	8.6
Lead	06/18/99	6010	1.0	4.7	5.9	6.2	2.5
Mercury	06/21/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	06/18/99	6010	1.0	<1.0	<1.0	<1.0	1.0
Nickel	06/18/99	6010	0.5	17	21	23	9.5
Selenium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	06/18/99	6010	0.5	48	66	60	29
Zinc	06/18/99	6010	0.5	55	75	69	23

Jennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled: 06/16/99
Received: 06/16/99
Reported: 06/24/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	99060191
Client Sample I.D.	Par D-84-
	-5-25

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT <i>mg/kg</i>	SAMPLE RESULTS <i>mg/kg</i>
Antimony	06/18/99	6010	5.0	<5.0
Arsenic	06/18/99	6010	1.0	7.8
Barium	06/18/99	6010	0.5	160
Beryllium	06/18/99	6010	0.5	0.89
Cadmium	06/18/99	6010	0.5	0.61
Chromium (VI)	06/22/99	7196	0.5	<0.5
Chromium (Total)	06/18/99	6010	0.5	33
Cobalt	06/18/99	6010	0.5	14
Copper	06/18/99	6010	0.5	37
Lead	06/18/99	6010	1.0	7.4
Mercury	06/21/99	7471	0.1	<0.1
Molybdenum	06/18/99	6010	1.0	1.3
Nickel	06/18/99	6010	0.5	23
Selenium	06/18/99	6010	5.0	<5.0
Silver	06/18/99	6010	0.5	<0.5
Thallium	06/18/99	6010	5.0	<5.0
Vanadium	06/18/99	6010	0.5	68
Zinc	06/18/99	6010	0.5	85

Integrated Environmental Services

Ms. Joann Omelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-0.5

Sampled: 07/20/99
Received: 07/20/99
Reported: 07/22/99

Laboratory Sample Number: 99070361

Laboratory Reference #: IES 11030

CCR - METALS

Analyte	Analyzed	EPA Method	Detection Limit mg/kg	Analysis Results mg/kg
Antimony	07/21/99	6010	5.0	N.D.
Arsenic	07/21/99	6010	1.0	7.1
Barium	07/21/99	6010	0.1	130
Beryllium	07/21/99	6010	0.1	0.71
Cadmium	07/21/99	6010	0.1	N.D.
Chromium (VI)	07/21/99	7196	0.5	N.D.
Chromium Total	07/21/99	6010	0.1	25
Cobalt	07/21/99	6010	0.5	9.6
Copper	07/21/99	6010	0.1	57
Lead	07/21/99	6010	1.0	19
Mercury	07/21/99	7471	0.1	N.D.
Molybdenum	07/21/99	6010	1.0	N.D.
Nickel	07/21/99	6010	0.5	18
Selenium	07/21/99	6010	1.0	N.D.
Silver	07/21/99	6010	0.1	N.D.
Thallium	07/21/99	6010	5.0	N.D.
Vanadium	07/21/99	6010	0.5	47
Zinc	07/21/99	6010	0.1	62

Analytes reported as N.D. were not present above the stated limit of detection.

int mn:

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-5.0

Laboratory Sample Number: 99070363

Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Reported: 07/22/99

CCR - METALS

Analyte	Analyzed	EPA Method	Detection Limit mg/kg	Analysis Results mg/kg
Antimony	07/21/99	6010	5.0	N.D.
Arsenic	07/21/99	6010	1.0	11
Barium	07/21/99	6010	0.1	180
Beryllium	07/21/99	6010	0.1	0.80
Cadmium	07/21/99	6010	0.1	N.D.
Chromium (VI)	07/21/99	7196	0.5	N.D.
Chromium Total	07/21/99	6010	0.1	27
Cobalt	07/21/99	6010	0.5	11
Copper	07/21/99	6010	0.1	69
Lead	07/21/99	6010	1.0	13
Mercury	07/21/99	7471	0.1	N.D.
Molybdenum	07/21/99	6010	1.0	N.D.
Nickel	07/21/99	6010	0.5	19
Selenium	07/21/99	6010	1.0	N.D.
Silver	07/21/99	6010	0.1	N.D.
Thallium	07/21/99	6010	5.0	N.D.
Vanadium	07/21/99	6010	0.5	51
Zinc	07/21/99	6010	0.1	63

Analytes reported as N.D. were not present above the stated limit of detection.

Kennedy Jenks Consultants

n: Mr. Jay Knight
 .51 Michelson Drive, Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)	Sampled:	---	07/30/99	07/30/99	07/30/99
	Received:	---	07/30/99	07/30/99	07/30/99
	Reported:	08/04/99	08/04/99	08/04/99	08/04/99

Laboratory Reference #: KJC 11053

	Lab Sample I.D.	MB	99070470	99070471	99070472
	Client Sample I.D.	---	Par D-B7-1-10	Par D-B7-2-15	Par D-B7-3-25

CCR METALS

ANALYTE	DATE TESTED	EPA METHOD	DETECTION LIMIT mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	08/04/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	08/04/99	6010	1.0	<1.0	7.4	6.3	6.2
Barium	08/04/99	6010	0.5	<0.5	160	180	140
Beryllium	08/04/99	6010	0.5	<0.5	0.68	0.77	0.51
Cadmium	08/04/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (VI)	08/02/99	7196	0.5	<0.5	<0.5	<0.5	<0.5
Chromium (Total)	08/04/99	6010	0.5	<0.5	27	26	22
Cobalt	08/04/99	6010	0.5	<0.5	14	14	11
Copper	08/04/99	6010	0.5	<0.5	35	36	28
Lead	08/04/99	6010	1.0	<1.0	5.9	6.1	4.3
Mercury	08/03/99	7471	0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	08/04/99	6010	1.0	<1.0	<1.0	<1.0	<1.0
Nickel	08/04/99	6010	0.5	<0.5	23	21	19
Selenium	08/04/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Silver	08/04/99	6010	0.5	<0.5	<0.5	<0.5	<0.5
Thallium	08/04/99	6010	5.0	<5.0	<5.0	<5.0	<5.0
Vanadium	08/04/99	6010	0.5	<0.5	53	62	59
Zinc	08/04/99	6010	0.5	<0.5	72	76	60

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/17/99	06/17/99	06/17/99	06/17/99
<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

<i>Lab Sample I.D.</i>	Method Blank	99060163	99060164	99060171
<i>Client Sample I.D.</i>	---	Par D-B1	Par D-B1	Par D-B3
		-1-0.5	-2-5	-1-0.5

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS			
			μg/kg	μg/kg	μg/kg	μg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
Chlordane	57-74-9	10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Lab Sample I.D.	99060172	99060175	99060176	99060179
Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
	-2-5	-1-0.5	-2-5	-1-0.5

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
Gordane	57-74-9	10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/17/99

Lab Sample I.D. 99060180
Client Sample I.D. Par D-B2
-2-5

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS
		LIMIT μg/kg	μg/kg
Aldrin	309-00-2	1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0
Heptachlor	57-74-9	10	<10
4,4'-DDD	72-54-8	2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10
Endrin	72-20-8	2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0
Methoxychlor	72-43-5	30	<30
Toxaphene	8001-35-2	35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	—	06/16/99	06/16/99	06/16/99
Received:	—	06/16/99	06/16/99	06/16/99
Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	Method Blank	99060165	99060166	99060173
Client Sample I.D.	—	Par D-B1	Par D-B1	Par D-B3
		-3-10	-4-15	-3-10

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS		
		LIMIT µg/kg	µg/kg	µg/kg	µg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0
mma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0
lordan	57-74-9	10	<10	<10	<10
4,4'-DDO	72-54-8	2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	99060174	99060177	99060178	99060181
Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
	-4-15	-3-10	-4-15	-3-10

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT µg/kg	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
Lindane	57-74-9	10	<10	<10	<10	<10
4,4'-DDO	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	99060182	99060183	99060184	99060185
Client Sample I.D.	Par D-B2 -4-15	Par D-B2 -5-25	Par D-B6 -1-0.5	Par D-B6 -2-5

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT µg/kg	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
lindane	57-74-9	10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	3.5	4.8	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

annedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99	06/21/99
<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99

<i>Lab Sample I.D.</i>	99060186	99060187	99060190	99060191
<i>Client Sample I.D.</i>	Par D-B6 -3-10	Par D-B6 -4-15	Par D-B1 -5-25	Par D-B4- -5-25

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS			
			μg/kg	μg/kg	μg/kg	μg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor	57-74-9	10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/17/99	06/17/99	06/17/99
<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99	06/21/99
<i>Reported:</i>	06/25/99	06/25/99	06/25/99	06/25/99

<i>Lab Sample I.D.</i>	Method Blank	99060192	99060193	99060194
<i>Client Sample I.D.</i>	—	Par D-BS	Par D-BS	Par D-BS
		-1-0.5	-2-5	-3-10

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS			
			μg/kg	μg/kg	μg/kg	μg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
Gamboldane	57-74-9	10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/17/99	06/17/99	06/17/99	06/17/99
Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
Reported:	06/25/99	06/25/99	06/25/99	06/25/99

Lab Sample I.D.	99060195	99060196	99060197	99060198
Client Sample I.D.	Par D-B5	Par D-B8	Par D-B8	Par D-B8
	-4-15	-1-0.5	-2-5	-3-10

ORGANOCHLORINATED PESTICIDES (EPA 8081)

ANALYTE	CAS NUMBER	DETECTION LIMIT μg/kg	SAMPLE RESULTS			
			μg/kg	μg/kg	μg/kg	μg/kg
Aldrin	309-00-2	1.0	<1.0	<1.0	<1.0	<1.0
alpha-BHC	319-84-6	1.0	<1.0	<1.0	<1.0	<1.0
beta-BHC	319-85-7	1.0	<1.0	<1.0	<1.0	<1.0
delta-BHC	319-86-8	2.0	<2.0	<2.0	<2.0	<2.0
gamma-BHC (Lindane)	58-89-9	1.0	<1.0	<1.0	<1.0	<1.0
Lindane	57-74-9	10	<10	<10	<10	<10
4,4'-DDD	72-54-8	2.0	<2.0	<2.0	<2.0	<2.0
4,4'-DDOE	72-55-9	5.0	<5.0	<5.0	<5.0	<5.0
4,4'-DDT	50-29-3	1.0	<1.0	<1.0	<1.0	<1.0
Dieldrin	60-57-1	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	959-98-8	1.0	<1.0	<1.0	<1.0	<1.0
Endosulfan II	33212-65-9	2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan sulfate	1031-07-8	10	<10	<10	<10	<10
Endrin	72-20-8	2.0	<2.0	<2.0	<2.0	<2.0
Endrin aldehyde	7421-93-4	2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	76-44-8	1.0	<1.0	<1.0	<1.0	<1.0
Heptachlor epoxide	1024-57-3	1.0	<1.0	<1.0	<1.0	<1.0
Methoxychlor	72-43-5	30	<30	<30	<30	<30
Toxaphene	8001-35-2	35	<35	<35	<35	<35

SEMIVOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

Laboratory Reference #:	KJC 11053	Sampled:	—	07/30/99	07/30/99	07/30/99
Client Project ID:	Boeing C-6	Received:	—	07/30/99	07/30/99	07/30/99
Client Project #:	994009	Analyzed:	07/30/99	07/30/99	07/30/99	07/30/99
		Lab Sample I.D.	MB	99070470	99070471	99070472
		Client Sample I.D.	—	Par D-B7- 1-10	Par D-B7- 2-15	Par D-B7- 3-25
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS		
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
Hexachlorobenzene	118-74-1	100	<100	<100	<100	<100
chlorobutadiene	87-68-3	100	<100	<100	<100	<100
chlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
2,4,5-Trichlorophenol	95-95-4	100	<100	<100	<100	<100
2,4-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

nney Jenks Consultants

Mr. Jay Knight
 2151 Michelson Drive, Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 11053

Sampled:	--	07/30/99	07/30/99	07/30/99
Received:	--	07/30/99	07/30/99	07/30/99
Analyzed:	07/30/99	07/30/99	07/30/99	07/30/99
Reported:	08/04/99	08/04/99	08/04/99	08/04/99

Lab Sample I.D.	MB	99070470	99070471	99070472
Client Sample I.D.	---	Par D-B7- 1-10	Par D-B7- 2-15	Par D-B7- 3-25

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
benzo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-5.0
Laboratory Sample Number: 99070363
Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	120
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	140
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

int m-n-

Orange Coast Analytical, Inc.

Sample Description: Soil, Par D-B7-5.0

Laboratory Sample Number: 99070363

Laboratory Reference #: IES 11030

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	210
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	150
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	200
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility**Client Project #:**

Sample Description: Soil, Par D-B7-0.5
Laboratory Sample Number: 99070361
Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	100
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	170
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	190
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

int m:n-

Orange Coast Analytical, Inc.

Sample Description: Soil, Par D-B7-0.5
Laboratory Sample Number: 99070361
Laboratory Reference #: IES 11030

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	320
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	290
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	290
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

nney Jenks Consultants

TN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/18/99
Reported: 06/24/99

Lab Sample I.D. 99060191
Client Sample I.D. Par D-B4-
-5-25

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS
		µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100
Acenaphthylene	208-96-8	100	<100
Aniline	62-53-3	100	<100
Anthracene	120-12-7	100	<100
Benzoic acid	65-85-0	500	<500
Benzo (a) anthracene	56-55-3	100	<100
Benzo (b) fluoranthene	205-99-2	250	<250
zo (k) fluoranthene	207-08-9	250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250
Benzo (a) pyrene	50-32-8	250	<250
Benzyl alcohol	100-51-6	100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100
Butyl benzyl phthalate	85-68-7	100	<100
4-Chloroaniline	106-47-8	100	<100
2-Chloronaphthalene	91-58-7	100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100
2-Chlorophenol	95-57-8	100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100
Chrysene	218-01-9	100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100
Dibenzofuran	132-64-9	100	<100
Di-n-butyl phthalate	84-74-2	250	<250
1,3-Dichlorobenzene	541-73-1	100	<100
1,4-Dichlorobenzene	106-46-7	100	<100
1,2-Dichlorobenzene	95-50-1	100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10949 Sampled: 06/16/99
 Client Project ID: Boeing C-6 Parcel D Received: 06/16/99
 Client Project #: 994009.00 Analyzed: 06/18/99
 Client Project #: 994009.00 Reported: 06/24/99

Lab Sample I.D. 99060191
 Client Sample I.D. Par D-B4-
 -5-25

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT µg/kg	SAMPLE RESULTS µg/kg
2,4-Dichlorophenol	120-83-2	100	<100
Diethyl phthalate	84-66-2	100	<100
2,4-Dimethylphenol	105-67-9	100	<100
Dimethyl phthalate	131-11-3	100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100
2,4-Dinitrophenol	51-28-5	100	<100
2,4-Dinitrotoluene	121-14-2	250	<250
2,6-Dinitrotoluene	606-20-2	250	<250
Di-n-octyl phthalate	117-84-0	250	<250
Fluoranthene	206-44-0	100	<100
Fluorene	86-73-7	100	<100
achlorobenzene	118-74-1	100	<100
Hexachlorobutadiene	87-68-3	100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100
Hexachloroethane	67-72-1	100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250
Isophorone	78-59-1	100	<100
2-Methylnaphthalene	91-57-6	100	<100
2-Methylphenol	95-48-7	100	<100
4-Methylphenol	106-44-5	100	<100
Naphthalene	91-20-3	100	<100
2-Nitroaniline	88-74-4	250	<250
3-Nitroaniline	99-09-2	250	<250
4-Nitroaniline	100-01-6	250	<250
Nitrobenzene	98-95-3	100	<100
2-Nitrophenol	88-75-5	100	<100
4-Nitrophenol	100-02-7	100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100
n-Nitrosodipropylamine	621-64-7	100	<100
n-Nitrosodimethylamine	62-75-9	100	<100
Pentachlorophenol	87-86-5	250	<250
Phenanthrene	85-01-8	100	<100
Phenol	108-95-2	100	<100
Pyrene	129-00-0	100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100
- trichlorophenol	95-95-4	100	<100
- Trichlorophenol	88-06-2	100	<100

nnelly Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/18/99	06/18/99	06/18/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	99060186	99060187	99060189	99060190
Client Sample I.D.	Par D-86 -3-10	Par D-86 -4-15	Par D-83 -3-10D	Par D-81 -5-25

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
zo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

LEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10949		Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	Analyzed:	06/17/99	06/18/99	06/18/99	06/18/99
		Reported:	06/24/99	06/24/99	06/24/99	06/24/99
		Lab Sample I.D.	99060186	99060187	99060189	99060190
		Client Sample I.D.	Par D-B6 -3-10	Par D-B6 -4-15	Par D-B3 -3-10D	Par D-B1 -5-25
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
Heptachlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
1,3-Trichlorophenol	95-95-4	100	<100	<100	<100	<100
1,4-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

Kennedy Jenks Consultants
 TN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)	<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
	<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
	<i>Analyzed:</i>	06/17/99	06/18/99	06/18/99	06/17/99
Laboratory Reference #:	KJC 10949	<i>Reported:</i>	06/24/99	06/24/99	06/24/99
	<i>Lab Sample I.D.</i>	99060182	99060183	99060184	99060185
	<i>Client Sample I.D.</i>	Par D-B2 -4-15	Par D-B2 -5-25	Par D-B6 -1-0.5	Par D-B6 -2-5

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
benzo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

Laboratory Reference #:	KJC 10949	Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	Analyzed:	06/17/99	06/18/99	06/18/99	06/17/99
		Reported:	06/24/99	06/24/99	06/24/99	06/24/99
		Lab Sample I.D.	99060182	99060183	99060184	99060185
		Client Sample I.D.	Par D-B2 -4-15	Par D-B2 -5-25	Par D-B6 -1-0.5	Par D-B6 -2-5
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT µg/kg			SAMPLE RESULTS	
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Gamma-orene	86-73-7	100	<100	<100	<100	<100
1,2-dichlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
Trichlorophenol	95-95-4	100	<100	<100	<100	<100
1,3,5-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

Kennedy Jenks Consultants
ATTN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/17/99

Lab Sample I.D. 99060180
Client Sample I.D. Par D-82
-2-5

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS $\mu\text{g}/\text{kg}$
		LIMIT	
Acenaphthene	83-32-9	100	<100
Acenaphthylene	208-96-8	100	<100
Aniline	62-53-3	100	<100
Anthracene	120-12-7	100	<100
Benzoic acid	65-85-0	500	<500
Benzo (a) anthracene	56-55-3	100	<100
Benzo (b) fluoranthene	205-99-2	250	<250
benzo (k) fluoranthene	207-08-9	250	<250
benzo (g,h,i) perylene	191-24-2	250	<250
Benzo (a) pyrene	50-32-8	250	<250
Benzyl alcohol	100-51-6	100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100
Butyl benzyl phthalate	85-68-7	100	<100
4-Chloroaniline	106-47-8	100	<100
2-Chloronaphthalene	91-58-7	100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100
2-Chlorophenol	95-57-8	100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100
Chrysene	218-01-9	100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100
Dibenzofuran	132-64-9	100	<100
Di-n-butyl phthalate	84-74-2	250	<250
1,3-Dichlorobenzene	541-73-1	100	<100
1,4-Dichlorobenzene	106-46-7	100	<100
1,2-Dichlorobenzene	95-50-1	100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100

NON-MI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10949
 Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/17/99

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	Lab Sample I.D.
			99060180
			Client Sample I.D.
			Par D-B2
			-2-5
			SAMPLE RESULTS
			µg/kg
2,4-Dichlorophenol	120-83-2	100	<100
Diethyl phthalate	84-66-2	100	<100
2,4-Dimethylphenol	105-67-9	100	<100
Dimethyl phthalate	131-11-3	100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100
2,4-Dinitrophenol	51-28-5	100	<100
2,4-Dinitrotoluene	121-14-2	250	<250
2,6-Dinitrotoluene	606-20-2	250	<250
Di-n-octyl phthalate	117-84-0	250	<250
Fluoranthene	206-44-0	100	<100
Fluorene	86-73-7	100	<100
achlorobenzene	118-74-1	100	<100
hexachlorobutadiene	87-68-3	100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100
Hexachloroethane	67-72-1	100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250
Isophorone	78-59-1	100	<100
2-Methylnaphthalene	91-57-6	100	<100
2-Methylphenol	95-48-7	100	<100
4-Methylphenol	106-44-5	100	<100
Naphthalene	91-20-3	100	<100
2-Nitroaniline	88-74-4	250	<250
3-Nitroaniline	99-09-2	250	<250
4-Nitroaniline	100-01-6	250	<250
Nitrobenzene	98-95-3	100	<100
2-Nitrophenol	88-75-5	100	<100
4-Nitrophenol	100-02-7	100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100
n-Nitrosodipropylamine	621-64-7	100	<100
n-Nitrosodimethylamine	62-75-9	100	<100
Pentachlorophenol	87-86-5	250	<250
Phenanthrene	85-01-8	100	<100
Phenol	108-95-2	100	<100
Pyrene	129-00-0	100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100
-Trichlorophenol	95-95-4	100	<100
-Trichlorophenol	88-06-2	100	<100

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/18/99	06/17/99	06/17/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	99060174	99060177	99060178	99060181
Client Sample I.D.	Par D-B3 -4-15	Par D-B4 -3-10	Par D-B4 -4-15	Par D-B2 -3-10

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
Benzo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	880	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

Laboratory Reference #: KJC 10949		<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID: Boeing C-6 Parcel D		<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #: 994009.00		<i>Analyzed:</i>	06/17/99	06/18/99	06/17/99	06/17/99
		<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99
		<i>Lab Sample I.D.</i>	99060174	99060177	99060178	99060181
		<i>Client Sample I.D.</i>	Par D-B3 -4-15	Par D-B4 -3-10	Par D-B4 -4-15	Par D-B2 -3-10
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
Hexachlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
-trichlorophenol	95-95-4	100	<100	<100	<100	<100
-,o-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

nnedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Lab Sample I.D.	99060172	99060175	99060176	99060179
Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
	-2-5	-1-0.5	-2-5	-1-0.5

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
Benzo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

EMI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

Laboratory Reference #:	KJC 10949	Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
		Reported:	06/17/99	06/17/99	06/17/99	06/17/99
		Lab Sample I.D.	99060172	99060175	99060176	99060179
		Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
			-2-5	-1-0.5	-2-5	-1-0.5
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		<i>mg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
achlorobenzene	118-74-1	100	<100	<100	<100	<100
hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
Trichlorophenol	95-95-4	100	<100	<100	<100	<100
Trichlorophenol	88-06-2	100	<100	<100	<100	<100

Kennedy Jenks Consultants

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 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/18/99	06/17/99	06/18/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	99060166	99060169	99060170	99060173
Client Sample I.D.	Par D-81 -4-15	Par D-89 -3-10	Par D-89 -4-15	Par D-83 -3-10

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
benzo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10949		<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID: Boeing C-6 Parcel D		<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #: 994009.00		<i>Analyzed:</i>	06/17/99	06/18/99	06/17/99	06/18/99
		<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99
		<i>Lab Sample I.D.</i>	99060166	99060169	99060170	99060173
		<i>Client Sample I.D.</i>	Par D-B1 -4-15	Par D-B9 -3-10	Par D-B9 -4-15	Par D-B3 -3-10
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		<i>µg/kg</i>		<i>µg/kg</i>		<i>µg/kg</i>
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Toluene	86-73-7	100	<100	<100	<100	<100
o-chlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
o-trichlorophenol	95-95-4	100	<100	<100	<100	<100
m,p-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

Kennedy Jenks Consultants

TN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Lab Sample I.D.	99060164	99060167	99060168	99060171
Client Sample I.D.	Par D-81	Par D-89	Par D-89	Par D-83
	-2-5	-1-0.5	-2-5	-1-0.5

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
zo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10949		<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID: Boeing C-6 Parcel D		<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #: 994009.00		<i>Analyzed:</i>	06/17/99	06/17/99	06/17/99	06/17/99
		<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99
		<i>Lab Sample I.D.</i>	99060164	99060167	99060168	99060171
		<i>Client Sample I.D.</i>	Par D-B1	Par D-B9	Par D-B9	Par D-B3
			-2-5	-1-0.5	-2-5	-1-0.5
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		<i>mg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Gamma-orene	86-73-7	100	<100	<100	<100	<100
o-chlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
trichlorophenol	95-95-4	100	<100	<100	<100	<100
2,4,4-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	—	06/16/99	06/16/99	06/16/99
Received:	—	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/18/99	06/17/99	06/18/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	Method Blank	99060161	99060162	99060165
Client Sample I.D.	—	Par D-B10	Par D-B10	Par D-B1
		-3-10	-4-15	-3-10

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
zo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

EMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #:	KJC 10949	Sampled:	—	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	—	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	Analyzed:	06/17/99	06/18/99	06/17/99	06/18/99
		Reported:	06/24/99	06/24/99	06/24/99	06/24/99
ANALYTE (CONT)		CAS NUMBER	DETECTION LIMIT	Lab Sample I.D.	Method Blank	Client Sample I.D.
			mg/kg	µg/kg	µg/kg	—
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
Hexachlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
2,3,5-Trichlorophenol	95-95-4	100	<100	<100	<100	<100
3,5,5-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

innedy Jenks Consultants

ITN: Mr. Jay Knight
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 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	—	06/16/99	06/16/99	06/16/99
Received:	—	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Lab Sample I.D.	Method Blank	99060159	99060160	99060163
Client Sample I.D.	---	Par D-B10	Par D-B10	Par D-B1
		-1-0.5	-2-5	-1-0.5

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
zo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzo furan	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

MI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

Laboratory Reference #: KJC 10949
 Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/17/99	06/17/99	06/17/99	06/17/99
<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

ANALYTE (CONT)	CAS NUMBER	DET	DETECTION	Lab Sample I.D.	Method Blank	99060159	99060160	99060163
		LIMIT	mg/kg	Client Sample I.D.	—	Par D-810	Par D-810	Par D-81
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100	<100	<100
Hexachlorobenzene	118-74-1	100	<100	<100	<100	<100	<100	<100
Hexachlorobutadiene	87-63-3	100	<100	<100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	<100	<100	<100	<100	<100
Pyrene	129-00-0	100	<100	<100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100	<100	<100
2 Trichlorophenol	95-95-4	100	<100	<100	<100	<100	<100	<100
Trichlorophenol	88-06-2	100	<100	<100	<100	<100	<100	<100

nneedy Jenks Consultants

TN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950A

Sampled:	—	06/16/99	06/16/99
Received:	—	06/17/99	06/17/99
Analyzed:	06/30/99	06/30/99	06/30/99
Reported:	07/01/99	07/01/99	07/01/99

Lab Sample I.D.	Method Blank	99060424	99060425
Client Sample I.D.	—	Par D-BS	Par D-B8
		-5-25	-5-25

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS		
		LIMIT	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250
Benzo (k) fluoranthene	207-08-9	250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100

MI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10950A	Sampled:	—	06/16/99	06/16/99
	Received:	—	06/17/99	06/17/99
Client Project ID: Boeing C-6 Parcel D	Analyzed:	06/30/99	06/30/99	06/30/99
Client Project #: 994009.00	Reported:	07/01/99	07/01/99	07/01/99

	Lab Sample I.D.	Method Blank	99060424	99060425
	Client Sample I.D.	—	Par D-B5	Par D-B8
			-5-25	-5-25

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS	
		µg/kg	µg/kg	µg/kg	µg/kg
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100
1-chlorobenzene	118-74-1	100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100
Phenol	108-95-2	100	<100	1,500	740
Pyrene	129-00-0	100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100
2-Trichlorophenol	95-95-4	100	<100	<100	<100
2-Trichlorophenol	88-06-2	100	<100	<100	<100

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Water)

Laboratory Reference #: KJC 10950

<i>Sampled:</i>	—	06/16/99	06/16/99
<i>Received:</i>	—	06/17/99	06/17/99
<i>Analyzed:</i>	06/23/99	06/23/99	06/23/99
<i>Reported:</i>	06/25/99	06/25/99	06/25/99

<i>Lab Sample I.D.</i>	MB	99060200	99060201
<i>Client Sample I.D.</i>	—	Rinsate-1	Field Blank-1

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS		
		µg/l	µg/l	µg/l	µg/l
Acenaphthene	83-32-9	5.0	<5.0	<5.0	<5.0
Acenaphthylene	208-96-8	5.0	<5.0	<5.0	<5.0
Aniline	62-53-3	5.0	<5.0	<5.0	<5.0
Anthracene	120-12-7	5.0	<5.0	<5.0	<5.0
Benzoic acid	65-85-0	50	<50	<50	<50
Benzo (a) anthracene	56-55-3	5.0	<5.0	<5.0	<5.0
Benzo (b) fluoranthene	205-99-2	25	<25	<25	<25
Benzo (k) fluoranthene	207-08-9	25	<25	<25	<25
benzo (g,h,i) perylene	191-24-2	25	<25	<25	<25
benzo (a) pyrene	50-32-8	25	<25	<25	<25
Benzyl alcohol	100-51-6	5.0	<5.0	<5.0	<5.0
bis-(2-chloroethoxy) methane	111-91-1	5.0	<5.0	<5.0	<5.0
bis-(2-chloroethyl) ether	111-44-4	5.0	<5.0	<5.0	<5.0
bis-(2-chloroisopropyl) ether	108-60-1	5.0	<5.0	<5.0	<5.0
bis-(2-ethylhexyl) phthalate	117-81-7	3.0	<3.0	<3.0	130
4-Bromophenyl phenyl ether	101-55-3	5.0	<5.0	<5.0	<5.0
Butyl benzyl phthalate	85-68-7	5.0	<5.0	<5.0	17
4-Chloroaniline	106-47-8	5.0	<5.0	<5.0	<5.0
2-Chloronaphthalene	91-58-7	5.0	<5.0	<5.0	<5.0
4-Chloro-3-methylphenol	59-50-7	5.0	<5.0	<5.0	<5.0
2-Chlorophenol	95-57-8	5.0	<5.0	<5.0	<5.0
4-Chlorophenyl phenyl ether	7005-72-3	5.0	<5.0	<5.0	<5.0
Chrysene	218-01-9	5.0	<5.0	<5.0	<5.0
Dibenzo (a,h) anthracene	53-70-3	25	<25	<25	<25
Dibenzofuran	132-64-9	5.0	<5.0	<5.0	<5.0
Di-n-butyl phthalate	84-74-2	5.0	<5.0	<5.0	9.4
1,3-Dichlorobenzene	541-73-1	5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	106-46-7	5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	95-50-1	5.0	<5.0	<5.0	<5.0
3,3-Dichlorobenzidine	91-94-1	5.0	<5.0	<5.0	<5.0
2,4-Dichlorophenol	120-83-2	5.0	<5.0	<5.0	<5.0
Diethyl phthalate	84-66-2	5.0	<5.0	<5.0	<5.0
4-methylphenol	105-67-9	5.0	<5.0	<5.0	<5.0
2-ethyl phthalate	131-11-3	5.0	<5.0	<5.0	<5.0
4,6-Dinitro-2-methylphenol	534-52-1	50	<50	<50	<50

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10950

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

<i>Sampled:</i>	—	06/16/99	06/16/99
<i>Received:</i>	—	06/17/99	06/17/99
<i>Analyzed:</i>	06/23/99	06/23/99	06/23/99
<i>Reported:</i>	06/25/99	06/25/99	06/25/99
SAMPLE DESCRIPTION (Water)			
<i>Lab Sample I.D.</i>	MB	99060200	99060201
<i>Client Sample I.D.</i>	---	Rinsate-1	Field Blank-1

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS		
		ug/l	ug/l	ug/l	ug/l
2,4-Dinitrophenol	51-28-5	50	<50	<50	<50
2,4-Dinitrotoluene	121-14-2	5.0	<5.0	<5.0	<5.0
2,6-Dinitrotoluene	606-20-2	5.0	<5.0	<5.0	<5.0
Di-n-octyl phthalate	117-84-0	25	<25	<25	<25
Fluoranthene	206-44-0	5.0	<5.0	<5.0	<5.0
Fluorene	86-73-7	5.0	<5.0	<5.0	<5.0
Hexachlorobenzene	118-74-1	5.0	<5.0	<5.0	<5.0
Bachlorobutadiene	87-68-3	5.0	<5.0	<5.0	<5.0
Bachlorocyclopentadiene	77-47-4	5.0	<5.0	<5.0	<5.0
Hexachloroethane	67-72-1	5.0	<5.0	<5.0	<5.0
Indeno (1,2,3-cd) pyrene	193-39-5	25	<25	<25	<25
Isophorone	78-59-1	5.0	<5.0	<5.0	<5.0
2-Methylnaphthalene	91-57-6	5.0	<5.0	<5.0	<5.0
2-Methylphenol	95-48-7	5.0	<5.0	<5.0	<5.0
4-Methylphenol	106-44-5	5.0	<5.0	<5.0	<5.0
Naphthalene	91-20-3	5.0	<5.0	<5.0	<5.0
2-Nitroaniline	88-74-4	50	<50	<50	<50
3-Nitroaniline	99-09-2	50	<50	<50	<50
4-Nitroaniline	100-01-6	50	<50	<50	<50
Nitrobenzene	98-95-3	5.0	<5.0	<5.0	<5.0
2-Nitrophenol	88-75-5	5.0	<5.0	<5.0	<5.0
4-Nitrophenol	100-02-7	50	<50	<50	<50
n-Nitrosodiphenylamine	86-30-6	5.0	<5.0	<5.0	<5.0
n-Nitrosodipropylamine	621-64-7	5.0	<5.0	<5.0	<5.0
n-Nitrosodimethylamine	62-75-9	5.0	<5.0	<5.0	<5.0
Pentachlorophenol	87-86-5	50	<50	<50	<50
Phenanthrene	85-01-8	5.0	<5.0	<5.0	<5.0
Phenol	108-95-2	5.0	<5.0	<5.0	<5.0
Pyrene	129-00-0	5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	5.0	<5.0	<5.0	<5.0
2,4,5-trichlorophenol	95-95-4	5.0	<5.0	<5.0	<5.0
2,4,5-trichlorophenol	88-06-2	5.0	<5.0	<5.0	<5.0

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 11053	<i>Sampled:</i>	—	07/30/99	07/30/99	07/30/99
Client Project ID:	Boeing C-6	<i>Received:</i>	—	07/30/99	07/30/99	07/30/99
Client Project #:	994009	<i>Analyzed:</i>	07/30/99	07/30/99	07/30/99	07/30/99
		<i>Reported:</i>	08/04/99	08/04/99	08/04/99	08/04/99
ANALYTE (CONT)		<i>Lab Sample I.D.</i>	MB	99070470	99070471	99070472
		<i>Client Sample I.D.</i>	—	Par D-B7- 1-10	Par D-B7- 2-15	Par D-B7- 3-25
CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS		
Bromochloromethane	74-97-5	2.5	µg/kg	µg/kg	µg/kg	µg/kg
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5
SURROGATE RECOVERY				%RC	%RC	%RC
<i>Dibromofluoromethane</i>		107		111	115	112
<i>Toluene-d8</i>		100		98	98	96
<i>4-Bromofluorobenzene</i>		97		96	96	97

Kennedy Jenks Consultants

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Client Project ID: Boeing C-6
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 11053

Sampled:	---	07/30/99	07/30/99	07/30/99
Received:	---	07/30/99	07/30/99	07/30/99
Analyzed:	07/30/99	07/30/99	07/30/99	07/30/99
Reported:	08/04/99	08/04/99	08/04/99	08/04/99

Lab Sample I.D.	MB	99070470	99070471	99070472
Client Sample I.D.	---	Par D-B7- 1-10	Par D-B7- 2-15	Par D-B7- 3-25

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	<2.5	130	260	330
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	4.9	14	9.3
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

Enedy Jenks Consultants

Attn: Mr. Jay Knight
 2151 Michelson Drive, Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6
Client Project #: 994009.00

SAMPLE DESCRIPTION (Water)

Laboratory Reference #: KJC 11053

Sampled:	---	---
Received:	---	07/30/99
Analyzed:	07/30/99	07/30/99
Reported:	08/04/99	08/04/99

Lab Sample I.D.	MB	99070473
Client Sample I.D.	---	Trip Blank

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS	
		LIMIT	µg/l	µg/l
Benzene	71-43-2	0.5	<0.5	<0.5
Bromodichloromethane	75-27-4	1.0	<1.0	<1.0
Bromoform	75-25-2	0.5	<0.5	<0.5
Bromomethane	74-83-9	1.0	<1.0	<1.0
Carbon Disulfide	75-15-0	0.5	<0.5	<0.5
Carbon tetrachloride	56-23-5	0.5	<0.5	<0.5
Chlorobenzene	108-90-7	0.5	<0.5	<0.5
Chlorodibromomethane	124-48-1	0.5	<0.5	<0.5
Propane	75-00-3	0.5	<0.5	<0.5
2-Chloroethyl vinyl ether	110-75-8	0.5	<0.5	<0.5
Chloroform	67-66-3	0.5	<0.5	<0.5
Chloromethane	74-87-3	0.5	<0.5	<0.5
1,1-Dichloroethane	75-34-3	0.5	<0.5	<0.5
1,2-Dichloroethane	107-06-2	0.5	<0.5	<0.5
1,1-Dichloroethene	75-35-4	0.5	<0.5	<0.5
trans-1,2-Dichloroethene	156-60-5	0.5	<0.5	<0.5
1,2-Dichloropropane	78-87-5	0.5	<0.5	<0.5
cis-1,3-Dichloropropene	10061-01-5	0.5	<0.5	<0.5
trans-1,3-Dichloropropene	10061-02-6	0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	<0.5	<0.5
Methylene chloride	75-09-2	2.5	<2.5	<2.5
Styrene	100-42-5	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<0.5
Tetrachloroethene	127-18-4	0.5	<0.5	<0.5
Toluene	108-88-3	0.5	<0.5	<0.5
1,1,1-Trichloroethane	71-55-6	0.5	<0.5	<0.5
1,1,2-Trichloroethane	79-00-5	0.5	<0.5	<0.5
Trichloroethene	79-01-6	0.5	<0.5	<0.5
Trichlorofluoromethane	75-69-4	0.5	<0.5	<0.5
Vinyl acetate	108-05-4	1.0	<1.0	<1.0
Vinyl chloride	75-01-4	0.5	<0.5	<0.5
Total Xylenes	1330-20-7	1.0	<1.0	<1.0
Perfluoromethane	75-71-8	0.5	<0.5	<0.5
,,2-Dichloroethene	156-59-2	0.5	<0.5	<0.5
2,2-Dichloropropane	594-20-7	0.5	<0.5	<0.5

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	KJC 11053	Sampled:	---	---
Client Project ID:	Boeing C-6	Received:	---	07/30/99
Client Project #:	994009	Analyzed:	07/30/99	07/30/99
		Reported:	08/04/99	08/04/99
		Lab Sample I.D.	MB	99070473
		Client Sample I.D.	---	Trip Blank

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
		ug/l	ug/l	ug/l
Bromochloromethane	74-97-5	0.5	<0.5	<0.5
1,1-Dichloropropene	563-58-6	0.5	<0.5	<0.5
Dibromomethane	74-95-3	0.5	<0.5	<0.5
1,2-Dibromoethane	106-93-4	0.5	<0.5	<0.5
1,3-Dichloropropane	142-28-9	0.5	<0.5	<0.5
Isopropylbenzene	98-82-8	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<0.5
1,2,3-Trichloropropane	96-18-4	0.5	<0.5	<0.5
Bromobenzene	108-86-1	0.5	<0.5	<0.5
Isopropylbenzene	103-65-1	0.5	<0.5	<0.5
2-Chlorotoluene	95-49-8	0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	108-67-8	0.5	<0.5	<0.5
4-Chlorotoluene	106-43-4	0.5	<0.5	<0.5
tert-Butylbenzene	98-06-6	0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	95-63-6	0.5	<0.5	<0.5
sec-Butylbenzene	135-98-8	0.5	<0.5	<0.5
4-Isopropyltoluene	99-87-6	0.5	<0.5	<0.5
1,3-Dichlorobenzene	541-73-1	0.5	<0.5	<0.5
1,4-Dichlorobenzene	106-46-7	0.5	<0.5	<0.5
n-Butylbenzene	104-51-8	0.5	<0.5	<0.5
1,2-Dichlorobenzene	95-50-1	0.5	<0.5	<0.5
1,2-Dibromo-3-CPA	96-12-8	1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	120-82-1	0.5	<0.5	<0.5
Hexachlorobutadiene	87-68-3	0.5	<0.5	<0.5
Naphthalene	91-20-3	0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	87-61-6	0.5	<0.5	<0.5
SURROGATE RECOVERY			%RC	%RC
<i>Dibromofluoromethane</i>			97	105
<i>Toluene-d8</i>			99	101
<i>4-Bromofluorobenzene</i>			101	101

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/17/99	06/17/99	06/17/99
<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99	06/21/99
<i>Reported:</i>	06/25/99	06/25/99	06/25/99	06/25/99

<i>Lab Sample I.D.</i>	Method Blank	99060192	99060193	99060194
<i>Client Sample I.D.</i>	—	Par D-B5	Par D-B5	Par D-B5
		-1-0.5	-2-5	-3-10

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS		
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
benzo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10950		Sampled:	—	06/16/99	06/16/99	06/16/99
		Received:	—	06/17/99	06/17/99	06/17/99
Client Project ID: Boeing C-6 Parcel D		Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
Client Project #: 994009.00		Reported:	06/25/99	06/25/99	06/25/99	06/25/99
		Lab Sample I.D.	Method Blank	99060192	99060193	99060194
		Client Sample I.D.	—	Par D-85	Par D-85	Par D-85
				-1-0.5	-2-5	-3-10
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS		
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
achlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	<100	120	180	260
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
Trichlorophenol	95-95-4	100	<100	<100	<100	<100
2,3,4-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/17/99	06/17/99	06/17/99	06/17/99
Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
Reported:	06/25/99	06/25/99	06/25/99	06/25/99

Lab Sample I.D.	99060195	99060196	99060197	99060198
Client Sample I.D.	Par D-B5 -4-15	Par D-B8 -1-0.5	Par D-B8 -2-5	Par D-B8 -3-10

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	83-32-9	100	<100	<100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100	<100	<100
Aniline	62-53-3	100	<100	<100	<100	<100
Anthracene	120-12-7	100	<100	<100	<100	<100
Benzoic acid	65-85-0	500	<500	<500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250	<250	<250
1zo (k) fluoranthene	207-08-9	250	<250	<250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100	<100	<100
Chrysene	218-01-9	100	<100	<100	<100	<100
Diben (a,h) anthracene	53-70-3	100	<100	<100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100	<100	<100

MI-VOLATILE ORGANICS BY GC/MS (EPA 8270)

(continued)

Laboratory Reference #:	KJC 10950	<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	<i>Received:</i>	06/17/99	06/17/99	06/17/99	06/17/99
Client Project #:	994009.00	<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99	06/21/99
		<i>Reported:</i>	06/25/99	06/25/99	06/25/99	06/25/99
		<i>Lab Sample I.D.</i>	99060195	99060196	99060197	99060198
		<i>Client Sample I.D.</i>	Par D-B5 -4-15	Par D-B8 -1-0.5	Par D-B8 -2-5	Par D-B8 -3-10
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
2,4-Dichlorophenol	120-83-2	100	<100	<100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250	<250	<250
Fluoranthene	206-44-0	100	<100	<100	<100	<100
Fluorene	86-73-7	100	<100	<100	<100	<100
1-chlorobenzene	118-74-1	100	<100	<100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250	<250	<250
Isophorone	78-59-1	100	<100	<100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100	<100	<100
Naphthalene	91-20-3	100	<100	<100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250	<250	<250
Phenanthrene	85-01-8	100	<100	<100	<100	<100
Phenol	108-95-2	100	130	170	120	270
Pyrene	129-00-0	100	<100	<100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100	<100	<100
2,4-Trichlorophenol	95-95-4	100	<100	<100	<100	<100
2,6-Trichlorophenol	88-06-2	100	<100	<100	<100	<100

nneady Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

<i>Sampled:</i>	06/16/99	06/16/99
<i>Received:</i>	06/17/99	06/17/99
<i>Analyzed:</i>	06/21/99	06/21/99
<i>Reported:</i>	06/25/99	06/25/99

<i>Lab Sample I.D.</i>	99060199	99060203
<i>Client Sample I.D.</i>	Par D-B8 -4-15	Par D-B8 -3-10D

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS	
		LIMIT <i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
Acenaphthene	83-32-9	100	<100	<100
Acenaphthylene	208-96-8	100	<100	<100
Aniline	62-53-3	100	<100	<100
Anthracene	120-12-7	100	<100	<100
Benzoic acid	65-85-0	500	<500	<500
Benzo (a) anthracene	56-55-3	100	<100	<100
Benzo (b) fluoranthene	205-99-2	250	<250	<250
Benzo (k) fluoranthene	207-08-9	250	<250	<250
Benzo (g,h,i) perylene	191-24-2	250	<250	<250
Benzo (a) pyrene	50-32-8	250	<250	<250
Benzyl alcohol	100-51-6	100	<100	<100
bis-(2-chloroethoxy) methane	111-91-1	100	<100	<100
bis-(2-chloroethyl) ether	111-44-4	100	<100	<100
bis-(2-chloroisopropyl) ether	108-60-1	100	<100	<100
bis-(2-ethylhexyl) phthalate	117-81-7	100	<100	<100
4-Bromophenyl phenyl ether	101-55-3	100	<100	<100
Butyl benzyl phthalate	85-68-7	100	<100	<100
4-Chloroaniline	106-47-8	100	<100	<100
2-Chloronaphthalene	91-58-7	100	<100	<100
4-Chloro-3-methylphenol	59-50-7	100	<100	<100
2-Chlorophenol	95-57-8	100	<100	<100
4-Chlorophenyl phenyl ether	7005-72-3	100	<100	<100
Chrysene	218-01-9	100	<100	<100
Dibenz (a,h) anthracene	53-70-3	100	<100	<100
Dibenzofuran	132-64-9	100	<100	<100
Di-n-butyl phthalate	84-74-2	250	<250	<250
1,3-Dichlorobenzene	541-73-1	100	<100	<100
1,4-Dichlorobenzene	106-46-7	100	<100	<100
1,2-Dichlorobenzene	95-50-1	100	<100	<100
3,3-Dichlorobenzidine	91-94-1	100	<100	<100

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Laboratory Reference #: KJC 10950		Sampled:	06/16/99	06/16/99
Client Project ID: Boeing C-6 Parcel D		Received:	06/17/99	06/17/99
Client Project #: 994009.00		Analyzed:	06/21/99	06/21/99
		Reported:	06/25/99	06/25/99
		Lab Sample I.D.	99060199	99060203
		Client Sample I.D.	Par D-B8	Par D-B8
			-4-15	-3-10D
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
		µg/kg	µg/kg	µg/kg
2,4-Dichlorophenol	120-83-2	100	<100	<100
Diethyl phthalate	84-66-2	100	<100	<100
2,4-Dimethylphenol	105-67-9	100	<100	<100
Dimethyl phthalate	131-11-3	100	<100	<100
4,6-Dinitro-2-methylphenol	534-52-1	100	<100	<100
2,4-Dinitrophenol	51-28-5	100	<100	<100
2,4-Dinitrotoluene	121-14-2	250	<250	<250
2,6-Dinitrotoluene	606-20-2	250	<250	<250
Di-n-octyl phthalate	117-84-0	250	<250	<250
Fluoranthene	206-44-0	100	<100	<100
Fluorene	86-73-7	100	<100	<100
Heptachlorobenzene	118-74-1	100	<100	<100
Hexachlorobutadiene	87-68-3	100	<100	<100
Hexachlorocyclopentadiene	77-47-4	100	<100	<100
Hexachloroethane	67-72-1	100	<100	<100
Indeno (1,2,3-cd) pyrene	193-39-5	250	<250	<250
Isophorone	78-59-1	100	<100	<100
2-Methylnaphthalene	91-57-6	100	<100	<100
2-Methylphenol	95-48-7	100	<100	<100
4-Methylphenol	106-44-5	100	<100	<100
Naphthalene	91-20-3	100	<100	<100
2-Nitroaniline	88-74-4	250	<250	<250
3-Nitroaniline	99-09-2	250	<250	<250
4-Nitroaniline	100-01-6	250	<250	<250
Nitrobenzene	98-95-3	100	<100	<100
2-Nitrophenol	88-75-5	100	<100	<100
4-Nitrophenol	100-02-7	100	<100	<100
n-Nitrosodiphenylamine	86-30-6	100	<100	<100
n-Nitrosodipropylamine	621-64-7	100	<100	<100
n-Nitrosodimethylamine	62-75-9	100	<100	<100
Pentachlorophenol	87-86-5	250	<250	<250
Phenanthrene	85-01-8	100	<100	<100
Phenol	108-95-2	100	310	200
Pyrene	129-00-0	100	<100	<100
1,2,4-Trichlorobenzene	120-82-1	100	<100	<100
1,2,3-Trichlorophenol	95-95-4	100	<100	<100
2,3,5-Trichlorophenol	88-06-2	100	<100	<100

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-5.0
Laboratory Sample Number: 99070363
Laboratory Reference #: IES 11030

Sampled: 07/19/99
Received: 07/19/99
Analyzed: 07/21/99
Reported: 07/22/99

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	10
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	16
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1,2,-Dichloroethene	156-59-2	2.5	5.0
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

int m.n.

Orange Coast Analytical, Inc.

Sample Description: Soil, Par D-B7-5.0
Laboratory Sample Number: 99070363
Laboratory Reference #: IES 11030

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recoveries %

Dibromofluoromethane	92
Toluene-d8	100
4-Bromofluorobenzene	89

int m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil, Par D-B7-0.5
Laboratory Sample Number: 99070361
Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	3.5
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	7.1
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1,2-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

int .

Orange Coast Analytical, Inc.

Sample Description: Soil, Par D-B7-0.5

Laboratory Sample Number: 99070361

Laboratory Reference #: IES 11030

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Recoveries %

Dibromofluoromethane	90
Toluene-d8	98
4-Bromofluorobenzene	90

int m:n

Orange Coast Analytical, Inc.

Address Here

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Water)

Laboratory Reference #: KJC 10949

Sampled: — 06/16/99
Received: — 06/16/99
Analyzed: 06/21/99 06/21/99
Reported: 06/24/99 06/24/99

Lab Sample I.D.	MB	99060188
Client Sample I.D.	—	Trip Blank

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
			µg/l	µg/l
Benzene	71-43-2	0.5	<0.5	<0.5
Bromodichloromethane	75-27-4	1.0	<1.0	<1.0
Bromoform	75-25-2	0.5	<0.5	<0.5
Bromomethane	74-83-9	1.0	<1.0	<1.0
Carbon Disulfide	75-15-0	0.5	<0.5	<0.5
Carbon tetrachloride	56-23-5	0.5	<0.5	<0.5
Chlorobenzene	108-90-7	0.5	<0.5	<0.5
Chlorodibromomethane	124-48-1	0.5	<0.5	<0.5
Chloroethane	75-00-3	0.5	<0.5	<0.5
2-Chloroethyl vinyl ether	110-75-8	0.5	<0.5	<0.5
Chloroform	67-66-3	0.5	<0.5	<0.5
Chloromethane	74-87-3	0.5	<0.5	<0.5
1,1-Dichloroethane	75-34-3	0.5	<0.5	<0.5
1,2-Dichloroethane	107-06-2	0.5	<0.5	<0.5
1,1-Dichloroethene	75-35-4	0.5	<0.5	<0.5
trans-1,2-Dichloroethene	156-60-5	0.5	<0.5	<0.5
1,2-Dichloropropane	78-87-5	0.5	<0.5	<0.5
cis-1,3-Dichloropropene	10061-01-5	0.5	<0.5	<0.5
trans-1,3-Dichloropropene	10061-02-6	0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	<0.5	<0.5
Methylene chloride	75-09-2	2.5	<2.5	<2.5
Styrene	100-42-5	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<0.5
Tetrachloroethene	127-18-4	0.5	<0.5	<0.5
Toluene	108-88-3	0.5	<0.5	<0.5
1,1,1-Trichloroethane	71-55-6	0.5	<0.5	<0.5
1,1,2-Trichloroethane	79-00-5	0.5	<0.5	<0.5
Trichloroethene	79-01-6	0.5	<0.5	<0.5
Trichlorofluoromethane	75-69-4	0.5	<0.5	<0.5
Vinyl acetate	108-05-4	1.0	<1.0	<1.0
Vinyl chloride	75-01-4	0.5	<0.5	<0.5
Total Xylenes	1330-20-7	1.0	<1.0	<1.0
Trifluoromethane	75-71-8	0.5	<0.5	<0.5
trans-1,2-Dichloroethene	156-59-2	0.5	<0.5	<0.5
2,2-Dichloropropane	594-20-7	0.5	<0.5	<0.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #: KJC 10949

Sampled: -- 06/16/99

Received: -- 06/16/99

Client Project ID: Boeing C-6 Parcel D

Analyzed: 06/21/99 06/21/99

Client Project #: 994009

Reported: 06/24/99 06/24/99

SAMPLE DESCRIPTION (Water)

<i>Lab Sample I.D.</i>	MB	99060188
<i>Client Sample I.D.</i>	--	Trip Blank

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
		<i>ug/l</i>	<i>ug/l</i>	<i>ug/l</i>
Bromochloromethane	74-97-5	0.5	<0.5	<0.5
1,1-Dichloropropene	563-58-6	0.5	<0.5	<0.5
Dibromomethane	74-95-3	0.5	<0.5	<0.5
1,2-Dibromoethane	106-93-4	0.5	<0.5	<0.5
1,3-Dichloropropane	142-28-9	0.5	<0.5	<0.5
Isopropylbenzene	98-82-8	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<0.5
1,2,3-Trichloropropane	96-18-4	0.5	<0.5	<0.5
Bromobenzene	108-86-1	0.5	<0.5	<0.5
Isopropylbenzene	103-65-1	0.5	<0.5	<0.5
Chlorotoluene	95-49-8	0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	108-67-8	0.5	<0.5	<0.5
4-Chlorotoluene	106-43-4	0.5	<0.5	<0.5
tert-Butylbenzene	98-06-6	0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	95-63-6	0.5	<0.5	<0.5
sec-Butylbenzene	135-98-8	0.5	<0.5	<0.5
4-Isopropyltoluene	99-87-6	0.5	<0.5	<0.5
1,3-Dichlorobenzene	541-73-1	0.5	<0.5	<0.5
1,4-Dichlorobenzene	106-46-7	0.5	<0.5	<0.5
n-Butylbenzene	104-51-8	0.5	<0.5	<0.5
1,2-Dichlorobenzene	95-50-1	0.5	<0.5	<0.5
1-2-Dibromo-3-CPA	96-12-8	1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	120-82-1	0.5	<0.5	<0.5
Hexachlorobutadiene	87-68-3	0.5	<0.5	<0.5
Naphthalene	91-20-3	0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	87-61-6	0.5	<0.5	<0.5

SURROGATE RECOVERY	%RC	%RC
<i>Dibromoform</i>	89	92
<i>Toluene-d8</i>	94	92
<i>4-Bromoform</i>	96	98

nneedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled: 06/16/99 06/16/99
Received: 06/16/99 06/16/99
Analyzed: 06/18/99 06/24/99
Reported: 06/24/99 06/24/99

Laboratory Reference #: KJC 10949

Lab Sample I.D. 99060191 99060375
Client Sample I.D. Par D-B4- Par D-B6-
 -5-25 -5-25

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
			µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5
Chloroethane	75-00-3	2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	5.0	6.8
Chloromethane	74-87-3	2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5
1,1,1,2-Tetrafluoromethane	75-71-8	2.5	<2.5	<2.5
1,1,2-Dichloroethene	156-59-2	2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	KJC 10949	Sampled:	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	06/16/99	06/16/99
Client Project #:	994009.00	Analyzed:	06/18/99	06/24/99
		Reported:	06/24/99	06/24/99

Lab Sample I.D. 99060191 99060375
Client Sample I.D. Par D-B4- Par D-B6-
-5-25 -5-25

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
			mg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5
Isopropylbenzene	103-65-1	2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5

<i>SURROGATE</i>	%RC	%RC
<i>RECOVERY</i>		
<i>Dibromofluoromethane</i>	94	93
<i>Toluene-d8</i>	98	92
<i>1-Bromo-4-fluorobenzene</i>	97	98

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/18/99	06/18/99	06/18/99	06/18/99
<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99

<i>Lab Sample I.D.</i>	99060186	99060187	99060189	99060190
<i>Client Sample I.D.</i>	Par D-86	Par D-86	Par D-83	Par D-81
	-3-10	-4-15	-3-10D	-5-25

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
chloroethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	11	100	45	<2.5
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	14	<2.5	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
chlorodifluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #: KJC 10949*Sampled:* 06/16/99 06/16/99 06/16/99 06/16/99**Client Project ID:** Boeing C-6 Parcel D*Received:* 06/16/99 06/16/99 06/16/99 06/16/99**Client Project #:** 994009.00*Analyzed:* 06/18/99 06/18/99 06/18/99 06/18/99*Reported:* 06/24/99 06/24/99 06/24/99 06/24/99

<i>Lab Sample I.D.</i>	99060186	99060187	99060189	99060190
<i>Client Sample I.D.</i>	Par D-B6	Par D-B6	Par D-83	Par D-B1
	-3-10	-4-15	-3-10D	-5-25

ANALYTE (CONT)	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	mg/kg	µg/kg	µg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Trimobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY	%RC	%RC	%RC	%RC
<i>Dibromofluoromethane</i>	91	96	93	88
<i>Toluene-d8</i>	97	96	93	95
<i>4-Bromofluorobenzene</i>	96	97	95	96

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/18/99	06/18/99	06/18/99	06/18/99
Reported:	06/24/99	06/24/99	06/24/99	06/24/99

Lab Sample I.D.	99060182	99060183	99060184	99060185
Client Sample I.D.	Par D-B2 -4-15	Par D-B2 -5-25	Par D-B6 -1-0.5	Par D-B6 -2-5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT $\mu\text{g}/\text{kg}$	SAMPLE RESULTS			
			$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Ethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	24	77	80	48
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	5.2	120	16
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trifluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1,2-Tetrafluoroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 10949	<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	<i>Analyzed:</i>	06/18/99	06/18/99	06/18/99	06/18/99
		<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99
 		<i>Lab Sample I.D.</i>	99060182	99060183	99060184	99060185
		<i>Client Sample I.D.</i>	Par D-B2 -4-15	Par D-B2 -5-25	Par D-B6 -1-0.5	Par D-B6 -2-5
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT			SAMPLE RESULTS	
		mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Methylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
o-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1-2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5
 SURROGATE RECOVERY			%RC	%RC	%RC	%RC
	Dibromofluoromethane		95	93	96	95
	Toluene-d8		95	98	101	98
	4-Bromoarabenzene		95	97	92	96

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled: 06/16/99
Received: 06/16/99
Analyzed: 06/17/99
Reported: 06/17/99

Lab Sample I.D. 99060180
Client Sample I.D. Par D-82
 -2-5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS
Benzene	71-43-2	2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5
Bromoform	75-25-2	2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5
Chloroethane	75-00-3	2.5	<2.5
Chloroethyl vinyl ether	110-75-8	5.0	<5.0
Chloroform	67-66-3	2.5	12
Chloromethane	74-87-3	2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0
Styrene	100-42-5	2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5
Toluene	108-88-3	2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5
1-Chlorodifluoromethane	75-71-8	2.5	<2.5
,2-Dichloroethene	156-59-2	2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #: KJC 10949 **Sampled:** 06/16/99
Client Project ID: Boeing C-6 Parcel D **Received:** 06/16/99
Client Project #: 994009.00 **Analyzed:** 06/17/99
Reported: 06/17/99

Lab Sample I.D. 99060180
Client Sample I.D. Par D-B2
-2-5

ANALYTE (CONT)	CAS NUMBER	DETECTION	SAMPLE RESULTS	
		LIMIT	mg/kg	mg/kg
Bromochloromethane	74-97-5	2.5	<2.5	
1,1-Dichloropropene	563-58-6	2.5	<2.5	
Dibromomethane	74-95-3	2.5	<2.5	
1,2-Dibromoethane	106-93-4	2.5	<2.5	
1,3-Dichloropropane	142-28-9	2.5	<2.5	
Isopropylbenzene	98-82-8	2.5	<2.5	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	
Bromobenzene	108-86-1	2.5	<2.5	
n-Propylbenzene	103-65-1	2.5	<2.5	
4-Chlorotoluene	95-49-8	2.5	<2.5	
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	
tert-Butylbenzene	98-06-6	2.5	<2.5	
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	
sec-Butylbenzene	135-98-8	2.5	<2.5	
4-Isopropyltoluene	99-87-6	2.5	<2.5	
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	
n-Butylbenzene	104-51-8	2.5	<2.5	
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	
1-2-Dibromo-3-CPA	96-12-8	5.0	<5.0	
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	
Hexachlorobutadiene	87-68-3	2.5	<2.5	
Naphthalene	91-20-3	2.5	<2.5	
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	

SURROGATE RECOVERY %RC

<i>Dibromofluoromethane</i>	88
<i>Toluene-d8</i>	97
<i>4-Bromofluorobenzene</i>	96

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Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)	<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Laboratory Reference #: KJC 10949	<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
	<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99	06/18/99
	<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99
	<i>Lab Sample I.D.</i>	99060174	99060177	99060178	99060181
	<i>Client Sample I.D.</i>	Par D-B3 -4-15	Par D-B4 -3-10	Par D-B4 -4-15	Par D-B2 -3-10

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethyl vinyl ether	110-75-3	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	12	<2.5	<2.5	4.6
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
D, L-Dichlorofluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,4-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

**SITE-WIDE GROUNDWATER MONITORING WORK PLAN
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

by

**Haley & Aldrich, Inc.
San Diego, California**

for

**Boeing Realty Corporation
Long Beach, California**

**File No. 28882-002
March 31, 2003**

SITE-WIDE GROUNDWATER MONITORING WORKPLAN

**BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

Prepared for

**BOEING REALTY CORPORATION
1580 LAGUNA CANYON ROAD, SUITE 200
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1.0 INTRODUCTION

Groundwater impacts at Boeing Realty Corporation's (BRC) Former C-6 Facility (Site) in Los Angeles, California (Figure 1) have been identified and delineated through various groundwater investigation and monitoring programs. Two primary groundwater impact source areas have been identified: Former Building 1/36 and Former Building 2. Three off-site sources have also been identified. The International Light Metals (ILM) site exists to the west, the Former Montrose Chemical site (Montrose) exists to the south, and the Former Del Amo facility exists to the east of the Site. The reported impacts consist primarily of volatile organic compounds (VOCs). The purpose of this workplan is to establish a Site-wide groundwater monitoring network based on delineated groundwater impacts that will provide data for:

- Monitoring plume concentrations over time;
- Verifying plume stability;
- Monitoring the effectiveness of groundwater remediation efforts;
- Documenting monitored natural attenuation (MNA) processes; and
- Evaluating groundwater quality data relative to plumes at the adjacent ILM, Montrose, and Del Amo facilities.

The following sections present Site background, discuss the Site groundwater quality, the Site conceptual model, and propose a groundwater monitoring network and implementation plan for accomplishing these objectives.

2.0 BACKGROUND

The Site consists of four parcels, A through D (Figure 2). The Site occupies approximately 170-acres, and was used for aircraft manufacturing from 1952 through 1992. Parcels A, B, and D are in advanced stages of redevelopment; Parcel C is in the initial phase of redevelopment. Since Site remediation activities have altered surface elevations by grading, all vertical measurements presented in this workplan are presented in feet above mean sea level (MSL).

Groundwater at the Site has been characterized through numerous investigative efforts and groundwater monitoring events over the past 15 years. Delineation of Site groundwater impacts are detailed in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, Inc., 2002a). The basis of the groundwater delineation effort is over 40 groundwater monitoring wells, and over 120 depth-discrete groundwater grab samples (Simulprobes). Over the past few years, 19 of the wells have since been removed as a result of redevelopment activities.

Groundwater at the subject property is primarily impacted by VOCs. The primary VOCs present at the Site, and the percentage of Site wells they occur in are listed below.

- Trichloroethene (TCE) (98 %), and
- 1,1-Dichloroethene (1,1-DCE) (73 %).

Based on the distribution and concentrations of VOCs observed, TCE and 1,1-DCE are considered the primary VOCs at the Site.

Three VOCs that were also detected at elevated concentrations in numerous locations are considered the secondary VOCs (Haley & Aldrich, 2002a). These VOCs and the percentage of Site wells they occur in are listed below.

- cis-1,2-Dichloroethene (cis-1,2-DCE) (51%),
- 1,1,1-Trichloroethane (1,1,1-TCA) (43%), and
- 2-Butanone (or Methyl Ethyl Ketone [MEK]) (14%).

The secondary VOCs have generally been detected, and are co-located within the primary VOC plumes. The Site has been broken down into three primary areas (Figure 2) based on historical use and areas of VOC impacts. These areas include:

- Building 1/36 Source Area
- Building 2 Source Area
- Site-Perimeter Groundwater Quality (including Off-Site Sources)

Remediation for these two VOC source areas by enhanced bioremediation has been approved by the Los Angeles Regional Water Quality Control Board (LARWQCB), and will be implemented in 2003 and 2004, concurrently with Site redevelopment.

2.1 Local Setting

The Site is located at 19503 South Normandie Avenue in Los Angeles, California (Figures 1 and 2). The Site occupies approximately 170 acres and is bound by the following major streets and properties:

- 190th Street to the north;
- Normandie Avenue and the Del Amo Superfund Site to the east;
- Montrose Chemical Superfund Site (Montrose), Jones Chemical, and Stauffer Chemical to the south; and
- International Light Metals (ILM) to the west.

2.2 Geology and Hydrogeology

2.2.1 Regional Geology and Hydrogeology

The principal hydrogeological units in the Site vicinity are the Lakewood Formation and San Pedro Formation. A summary of regional geologic formations is shown in the table below:

Formation	Hydrostratigraphic Unit	
Lakewood Formation (Upper Pleistocene)	Bellflower Aquitard	Upper Bellflower Aquitard (UBA)
		Middle Bellflower Sand (MBFB, MBFM, MBFC, MBFB/C)
		Lower Bellflower Aquitard (LBF)
	Gage Aquifer	
San Pedro Formation (Lower Pleistocene)	Gage Lynwood Aquitard (GLA)	
	Lynwood Aquifer (LYNWOOD)	
	Unnamed Aquitard	
	Silverado Aquifer	

2.2.2 Local Geology and Hydrogeology

The hydrogeology at the Site has been defined on the basis of data derived from the following: monitoring well drilling, construction, testing and sampling, exploration boring drilling and sampling, cone penetrometer testing, and Simulprobe boring and sampling.

A Semi-Perched Aquifer is reported to be present in the vicinity of the Site (California Department of Water Resources [CDWR], 1961); however, based on correlation of Site stratigraphic data with the data from adjacent Sites, it appears that the Semi-Perched aquifer is absent at the Site.

The hydrogeologic units assessed at the Site are members of the Upper Pliestocene, Lakewood Formation and are identified in descending order as:

- Upper Bellflower Aquitard (UBF),
- Middle Bellflower Sand (MBF), and
- Lower Bellflower Aquitard (LBF).

Exploration borings CPT-1-1, CPT-1-2, CPT-2-1, and CPT-2-2 provided the primary basis for assessing the nature and extent of the hydrogeologic units beneath the Site. These borings were geotechnically logged, and continuous soil sampling and logging was conducted at each location in the depth interval from 60 to approximately 120 feet or more.

2.2.2.1 Upper Bellflower Aquitard

The UBF is a predominately fine-grained hydrogeologic unit. The UBF is a heterogeneous mixture of low permeability silts and clays with fine-grained sands. The UBF unit is continuous beneath the Site. The UBF extends downward from the land surface to an elevation of approximately 14 to 25 feet below MSL.

The UBF generally occurs above the water table at the Site, and therefore all but the lowermost UBF is unsaturated. The UBF makes up the vadose zone at the Site and as a result, hydraulic properties of the UBF have not been estimated.

2.2.2.2 Middle Bellflower Sand

The MBF is a heterogeneous unit primarily comprised of fine to medium sand underlying the UBF. The MBF is continuous beneath the Site. A notable fine-grained sub-unit divides the MBF into two sands locally beneath the Site. In general, the MBF is the uppermost-saturated, relatively permeable unit beneath the Site.

The MBF has been further divided locally to include:

- the Middle Bellflower B-Sand (MBFB),
- the Middle Bellflower Mud (MBFM), and
- the Middle Bellflower C-Sand (MBFC).

B-Sand

The B-Sand (or MBFB) consists principally of fine to medium grained sand and silty and with lesser silts and clays. The B-Sand is continuous beneath the Site with a thickness on the order of 25 to 30 feet. The thickness of the MBFB may range up to approximately 40 feet locally where the Middle Bellflower Mud is absent and the B-Sand has merged with the Middle Bellflower C-Sand. The top of the B-Sand coincides with the base elevation of the UBF, and the elevation of the bottom of the B-Sand is indicated to range from approximately 35 to 50 feet below MSL where the Middle Bellflower Mud is present.

Upper and lower zones of the B-Sand have been defined for the purpose of further defining the vertical distribution of groundwater quality. The upper B-Sand has been defined in the elevation range between 17 and 25 feet below MSL, and the lower B-Sand has been defined in the elevation range between 31 and 46 feet below MSL.

Hydraulic properties of the B-Sand have been estimated from six slug tests performed by Woodward- Clyde Consultants (WCC), one pumping test conducted at monitoring wells by WCC, and one water injection test performed by Arcadis G&M on a series of small-diameter bioenhancement points. Estimates of B-Sand hydraulic conductivity derived from slug test data have been reported to range from 24 to 140 gallons per day per square foot (gpd/ft^2). Estimates of hydraulic conductivity derived from the pumping test data were reported to range from 460 to 970 gpd/ft^2 . The storage coefficient was reported to range from 0.004 to 0.0013 (Kennedy Jenks Consultants [KJC], 2000, and WCC, 1990). Estimates of hydraulic conductivity from the water injection test were reported to be between 77 to 120 gpd/ft^2 (0.00367 to 0.00577 centimeters per second [cm/sec]) (Arcadis G&M, 2002c). Based on the results of these tests, the hydraulic conductivities derived by the slug tests and water injection tests correlate well, and range from 24 to 140 gpd/ft^2 . Hydraulic conductivity values derived from the pumping test were considerably higher, and range from 460 to 970 gpd/ft^2 . Since these tests were performed in different wells and at different locations of the Site, correlation of the data is difficult.

MBFM

The MBFM is low permeability, heterogeneous, and consists predominately of silts and clays with subordinate percentages of sand. Thickness of the MBFM ranges from approximately three feet up to approximately 13 feet. The elevation of the top of the MBFM coincides with the bottom elevation of the B-Sand, and the base of MBFM is indicated to range from approximately 45 to 55 feet below MSL. Hydraulic properties specific to the MBFM have not been determined at the Site.

C-Sand

The lowermost sands of the Middle Bellflower Sand where the MBFM are present have been defined as the C-Sand (or MBFC). Similar in lithology to the B-Sand, the C-Sand consists principally of fine to medium grained sand and silty sand with lesser silts and clays. The C-Sand is generally continuous beneath the Site, but is apparently merged with the overlying Middle Bellflower B-Sand, where the Middle Bellflower Mud is absent. The thickness of the C-Sand ranges from 13 to 21 feet in the Site exploration borings. The top elevation of the C-Sand is equivalent to the base of the Middle Bellflower Mud. The bottom of the C-Sand is indicated to range from 66 to 90 feet below MSL.

Hydraulic properties have not been determined for the C-Sand at the Site. Estimates of hydraulic conductivity are reported for slug tests at on-site, deep, monitoring wells WCC-1D and WCC-3D. However, the hydrostratigraphic data derived from the exploration borings (CPT investigation by Haley & Aldrich, Inc., Haley & Aldrich, 20002a) indicate that these wells were completed in the Lower Bellflower Aquitard; therefore, the slug test data is not representative of the C-Sand.

2.2.2.3 Lower Bellflower Aquitard

The LBF is predominately a low-permeability, fine-grained unit that underlies the Middle Bellflower Sand. The LBF is heterogeneous and consists primarily of silts and clays with lesser sands. The LBF is indicated to be continuous beneath the Site.

The thickness of the LBF was not evaluated with Site exploration borings. Exploration boring CPT-1-2 was advanced approximately 9 feet into the LBF. Data from assessments in the vicinity of the Site indicate that the LBF ranges from less than 10 to over 40 feet thick in the area (KJC, 2000, and Dames & Moore, 1998). The top elevation of the LBF coincides with the base of the MBFC. Hydraulic properties for the LBF have not been determined at the Site.

2.2.3 Groundwater Elevations and Gradients

Groundwater elevations in the uppermost groundwater at the Site in January 2001 ranged from approximately 13 to 15 feet below MSL, which is approximately 65 to 67 feet bgs. The presence of groundwater at the Site and its direction of flow have been principally defined on the basis of water level measurements at monitoring wells. Forty-three monitoring wells have been constructed at the Site. Nineteen of those wells have been subsequently abandoned. The majority of the wells at the Site have been constructed with well screens in the uppermost part of the B-Sand. Two deep monitoring wells (WCC-1D and WCC-3D) were constructed at the Site, which have

since been abandoned. Stratigraphic data derived from four exploration borings at the Site indicates that those wells were screened in the LBF.

Water level measurements have been conducted at the Site since 1987. Water level contours for the uppermost groundwater at the Site are presented in Figure 4, and were developed from measurements obtained during September 2002 (Haley & Aldrich, Inc., 2002b). This figure represents the most recent water level data at the Site, and serves as the basis for discussing the groundwater elevation and direction of horizontal flow. Groundwater elevations in the uppermost groundwater at the Site in September 2002, ranged from approximately 12 to 16 feet below MSL, which is approximately 64 to 68 feet bgs.

2.2.3.1 B-Sand

Water level measurements performed during January 2001 at Site monitoring wells provide the basis for defining the occurrence and movement of groundwater in the B-Sand. In January 2001, groundwater level elevations in the B-Sand ranged from approximately 13 to 15 feet below MSL. The overall direction of horizontal groundwater flow in the B-Sand beneath the Site is to the south. Groundwater flow in the eastern and western margins of the Site is indicated to be to the south-southwest and south-southeast, respectively. The overall horizontal hydraulic gradient across the Site is on the order of 0.001 feet per foot.

2.2.3.2 C-Sand

Groundwater level measurements performed at two previous on-site deep monitoring wells (WCC-1D and WCC-3D), and data obtained from off-site wells completed in the C-Sand provide the basis for defining the occurrence and movement of water in the C-Sand (KJC, 2000 and Haley & Aldrich, Inc., 2002a). Groundwater level elevations in the C-Sand appear similar overall to the on-site B-Sand. The overall hydraulic gradient is on the order of 0.001 feet per foot.

A slight downward vertical hydraulic gradient may be present from the B-Sand to the underlying portions of the Bellflower Aquitard, including the C-Sand, based on water level measurement in the vicinity of well pairs WCC-1S/WCC-1D and WCC-3S/WCC-3D. The estimated vertical gradient ranges from approximately 0.002 to -0.009 feet per foot (Haley & Aldrich, Inc., 2002a).

The following section describes the groundwater quality in the B-Sand and C-Sand units of the Bellflower Aquitard.

3.0 GROUNDWATER QUALITY

The VOC impacts discussion presented below is related to source areas and Site-wide groundwater quality, and is based on 15 years of groundwater monitoring data from 43 groundwater monitoring wells, as well as 172 depth discrete groundwater grab samples. Details of the source-area groundwater investigation are included in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, Inc., 2002a).

The following sections describe the Building 1/36, Building 2, and Site perimeter groundwater conditions.

3.1 Building 1/36 Source Area

The first area of elevated primary and secondary VOCs in groundwater is referred to as the Building 1/36 area, and generally includes Building 36 and the northeast portion of Building 1, and extending south to the northeast portion of Building 2.

3.1.1 Suspected source(s)

The primary suspected source areas for elevated groundwater impacts in the Building 1/36 plume are soil impact areas identified beneath Building 36, the northeast portion of Building 1, and the southeast portion of Building 1. The highest concentrations of VOCs in groundwater within the Building 1/36 plume are present in these general areas. These impacts are primarily related to a chemical storage complex located in Building 36, and a series of solvent underground storage tanks (USTs) located between Building 1 and Building 36.

3.1.2 Primary and Secondary VOCs

TCE is one of the primary VOCs, and has been detected at concentrations up to 97,000 micrograms per kilogram ($\mu\text{g}/\text{kg}$) in soil samples, and up to 21,000 $\mu\text{g}/\text{l}$ in groundwater samples collected from monitoring wells and the multi-depth sampling program. 1,1-DCE is the other primary VOC, and has been detected up to 24,000 $\mu\text{g}/\text{l}$ in groundwater samples. The secondary VOCs identified in the Building 1/36 groundwater plume are 1,1,1-TCA, toluene, and 2-butanone.

3.1.3 Concentrations/Extent of Impact

The primary and secondary VOC concentrations, and the extent of groundwater impacts within the Building 1/36 area have been assessed based on groundwater samples from 16 monitoring wells and 42 multi-depth Simulprobe samples. Isoconcentration contours are presented for TCE and 1,1-DCE, the primary VOCs in the Building 1/36 area, illustrating the concentration distributions and the lateral extent of groundwater impacts for various depths (Figures 5 through 8).

Vertical distributions of primary and secondary VOC concentrations, and the vertical extent of groundwater impacts are illustrated by cross sections and by individual isoconcentration contours for the Middle Bellflower Sand units. Figure 9 shows the cross-section locations and Figures 10 and 11 illustrate the vertical distribution of TCE, one of the primary VOCs in the Building 1/36 area.

The overall shapes of the primary and secondary VOC plumes appear consistent with the known soil source areas and predominant southerly groundwater flow direction in the Building 1/36 area. The lateral extent of the plumes in the B-Sand have been delineated, and the areas of elevated VOCs resulting from historical Site activities are currently confined to the Site. One area of elevated TCE concentrations in the Bellflower Aquitard is present along the western Site boundary. These impacts have migrated onto the Site from the ILM facility. The overall lateral extent of the primary and secondary VOC plumes in the C-Sand is significantly smaller than in the B-Sand, and at lower concentrations.

The following sections discuss the VOC impacts of the Building 1/36 B-Sand and C-Sand sub-units.

3.1.3.1 Building 1/36 B-Sand

The lateral and vertical limits of groundwater VOC impacts in the B-Sand are defined with the highest concentrations present under the soil source area between Buildings 1 and 36 in the upper B-Sand. This conclusion is based on data from 12 groundwater monitoring wells and 10 depth-discrete Simulprobe grab samples in this area (Figures 5 and 6). Maximum concentrations of the primary and secondary VOCs detected in the B-Sand in this area include TCE (12,000 micrograms per liter [$\mu\text{g/l}$]), 1,1-DCE (30,000 $\mu\text{g/l}$), 1,1,1-TCA (10,000 $\mu\text{g/l}$), 2-butanone (280,000 $\mu\text{g/l}$), and toluene (93,000 $\mu\text{g/l}$). Cis-1,2-DCE is also present (up to 660 $\mu\text{g/l}$), suggesting TCE biodegradation. Figures 5 and 6 illustrate the distribution of TCE and 1,1-DCE in the B-Sand. Figure 10 illustrates the vertical distribution of TCE in the B-Sand. The VOC groundwater plume in the B-Sand extends from the soil source area due south with the prevailing groundwater flow direction.

Primary and secondary VOCs were also delineated in the lower B-Sand through the collection of 15 depth-discrete Simulprobe grab samples. No groundwater monitoring wells are present in the lower B-Sand. Based on this data, concentrations of VOCs in the lower B-Sand are significantly lower than the upper B-Sand. Maximum concentrations of the most prevalent VOCs detected in the lower B-Sand in this area include TCE (6,100 $\mu\text{g/l}$), 1,1-DCE (6,600 $\mu\text{g/l}$), 1,1,1-TCA (22,000 $\mu\text{g/l}$), 2-butanone (93,000 $\mu\text{g/l}$), and toluene (27,000 $\mu\text{g/l}$). Cis-1,2-DCE is also present (up to 850 $\mu\text{g/l}$), suggesting TCE biodegradation. Additional details and figures of the lower B-Sand impacts are included in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, Inc., 2002a).

3.1.3.2 Building 1/36 C-Sand

The lateral extent of primary and secondary VOC impacts in the C-Sand were assessed through the collection of 15 depth-discrete Simulprobe grab samples (Figures 7 and 8). Maximum concentrations of the most prevalent VOCs detected in the C-Sand include TCE (2,900 µg/l), 1,1-DCE (15,000 µg/l), 1,1,1-TCA (11,000 µg/l), 2-butanone (43,000 µg/l), and toluene (26,000 µg/l). The overall size of the C-Sand VOC impact area is much smaller than the B-Sand, and the concentrations are, in general, significantly lower. The longitudinal axis of the C-Sand VOC plume appears to be oriented to the southeast. Since no groundwater monitoring wells are completed within the C-Sand, the actual Site groundwater flow direction is not known. This plume orientation is however consistent with a reported southeast C-Sand groundwater flow direction at adjacent sites. The vertical distribution of TCE in the C-Sand is illustrated in Figure 10.

3.2 Building 2 Source Area

The second area of elevated primary and secondary VOCs in groundwater generally includes the northwest portion of Building 2, and extends south and southwest to the south-central portion of Building 2. This area of elevated groundwater impacts has been designated the Building 2 area.

3.2.1 Suspected source(s)

The primary suspected source areas for elevated groundwater impacts in the Building 2 plume are soil impact areas apparently related to former metal finishing processes and releases from one or more wastewater clarifiers. The highest concentrations of VOCs in groundwater within the Building 2 plume are present in this general area. Soil vapor extraction (SVE) remediation has been performed on the deep soil (greater than 12 feet bgs) impacts in this area, and a no further action determination was issued by the LARWQCB (LARWQCB, 2003).

3.2.2 Primary and Secondary VOCs

Based on the concentrations of VOCs identified in groundwater samples collected from monitoring wells and the multi-depth sampling program, the primary VOC identified in the Building 2 source area is TCE. The secondary VOCs are 1,1-DCE and chloroform.

3.2.3 Concentrations/Extent of Impacts

The primary and secondary VOC concentrations, and the extent of groundwater impacts within the Building 2 area have been assessed based on groundwater samples from 9 monitoring wells and 66 multi-depth Simulprobe samples. Isoconcentration

contours are presented for TCE and 1,1-DCE in the Building 2 area, illustrating the concentration distributions and the lateral extent of groundwater impacts (Figures 5 through 8).

Vertical distributions of primary and secondary VOC concentrations, and the vertical extent of groundwater impacts are illustrated by cross sections and individual isoconcentration contours for the Middle Bellflower Sand units. Figure 9 shows the cross-section locations. Figures 10 and 11 illustrate the vertical distribution of TCE, the primary VOC in the Building 2 area.

The overall shape of the primary and secondary VOC plumes appears consistent with the known soil source areas and predominant groundwater flow direction. Lateral migration of VOCs in Middle Bellflower Sand within the Building 2 plume area appears to be towards the southeast. In particular, elevated concentration areas of primary and secondary VOCs in groundwater appear to migrate progressively southeast with depth. The overall lateral extent of the VOC plumes, particularly TCE in the C-Sand, are similar in size, but at lower overall concentrations, and southeast of the suspected source areas.

3.2.4 Building 2 B-Sand

The lateral limits of groundwater VOC impacts in the upper B-Sand are defined with the highest concentrations present under the soil source areas in the northwestern area of Building 2, where the metal finishing equipment and waste clarifiers were previously located.

This conclusion is based on data from nine groundwater monitoring wells and 22 depth-discrete Simulprobe grab samples in this area (Figures 5 and 6). Maximum concentrations of the primary and secondary VOCs detected in the upper B-Sand in this area are TCE (13,000 µg/l) and 1,1-DCE (560 µg/l). The VOC plume in the B-Sand extends from the soil source area to the southeast, with the prevailing southeasterly groundwater flow direction in the area of the Site (Figures 5 and 6).

Primary and secondary VOCs were also delineated in the lower B-Sand through the collection of 22 depth-discrete Simulprobe grab samples. No groundwater monitoring wells are present in the lower B-Sand. Based on this data, concentrations of primary and secondary VOCs in the lower B-Sand are significantly lower than the upper B-Sand. Maximum concentrations of the primary and secondary VOCs detected in the lower B-Sand in this area include TCE (3,900 µg/l) and 1,1-DCE (81 µg/l). The vertical distribution of TCE in the B-Sand is illustrated in Figure 11.

Additional details and figures of the lower B-Sand are included in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, Inc., 2002a).

3.2.5 Building 2 C-Sand

The lateral extent of primary and secondary VOC impacts in the C-Sand was delineated through the collection of 21 depth-discrete Simulprobe grab samples (Figures 7 and 8). Maximum concentrations of the most prevalent VOCs detected in the C-Sand include TCE (6,100 µg/l), toluene (410 µg/l), and chloroform (240 µg/l).

Based on the data from the source-area reconnaissance investigation, the VOC plume in the C-Sand is lower in overall concentration than the impacts in the B-Sand.

Figure 11 illustrates the vertical distribution of TCE in the C-Sand. The longitudinal axis of the C-Sand plume appears to be oriented to the southeast; however, there are no groundwater monitoring wells in the Building 2 area C-Sand to verify a southeast groundwater flow direction. Groundwater flow in the C-Sand at the ILM facility to the west of the Site is towards the southeast (TRC, 1999).

3.3 Site-Perimeter Groundwater Quality

Perimeter groundwater quality includes the areas of the Site that contain primary or secondary VOCs or other compounds in groundwater that are not within the Building 1/36 or Building 2 source areas. Groundwater impacts in these areas are typically lower in concentration and are difficult to directly link to an identified soil impact area. These areas also include groundwater quality impacts from adjacent sites with documented groundwater quality issues (Montrose, ILM, and Del Amo).

Site-perimeter groundwater quality in the B-Sand and C-Sand has been assessed over the past 15 years through the installation of 10 groundwater monitoring wells in the B-Sand and 20 depth-discrete Simulprobe grab samples in the B- and C-Sands. Groundwater monitoring wells used for perimeter monitoring include: WCC-5S, WCC-9S, TMW-10, TMW-11, TMW-14, XMW-08, XMW-09, XMW-18, XMW-19, BL-3, and DAC-P1 (Figures 4 through 11).

The purpose of the Site-perimeter groundwater monitoring wells and depth-discrete Simulprobe grab samples was to verify that the Site-related source-area impacts have not migrated off-site, and to document the migration of plumes from adjacent properties onto the Site. Based on the data provided by the 11 groundwater monitoring wells and 20 Simulprobe grab samples, Site-related groundwater impacts have been delineated, and impacts from off-Site sources have been documented. Details of the Site-wide groundwater assessment are included in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, 2002a). The following sections summarize the Site-perimeter groundwater impacts in the B-Sand and C-Sand for the purpose of developing the Site-wide groundwater monitoring program.

3.3.1 Site-Perimeter B-Sand

Site-wide perimeter groundwater primary and secondary VOC impacts have been delineated in the B-Sand through a combination of groundwater monitoring wells and Simulprobe grab samples (Figures 5 through 11). The primary VOC present is TCE,

found at a maximum concentration of 10,000 µg/l in DAC-P1 along the western Site boundary. The impacts in this well are believed to be from the ILM TCE plume immediately to the west of the Site. Wells BL-9A, BL-10A, and BL-11A were recently installed by TRC, and sampled in September 2002. The TRC wells were reported to have TCE concentrations of 120, 34, and 220µg/l, respectively (TRC, 2002) (Figure 5). This was the initial sampling of these wells, and the results will be confirmed in subsequent monitoring and sampling events. However, the data has been reviewed within the context of the Former C-6 Facility source areas and does not change any recommendations at this time.

A TCE concentration of 850 µg/l is also present in TMW-10, along Normandie Avenue. It is believed that the TCE impacts in this area may be from the Del Amo site immediately to the east.

Chloroform and chlorobenzene concentrations are also present at concentrations of 18,000 µg/l and 100,000 µg/l respectively in Simulprobe grab sample DDS-2-29 along the southern Site boundary. The concentration gradient, distribution, and shape of the chloroform/ chlorobenzene impacts suggest that the Montrose site is the source of these impacts (Haley & Aldrich, 2002a).

Concentrations of TCE and secondary VOCs in the perimeter wells are significantly lower than concentrations in the Building 1/36 and Building 2 source areas (Figures 5 and 6). 1,1-DCE (a secondary VOC in the Site-Perimeter area) was also detected in Simulprobe grab sample DDS-1-10 at a concentration of 13µg/l. Other secondary VOCs were not detected in the Site-perimeter wells. Details of the Site groundwater assessment are included in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, 2002a).

3.3.2 Site-Perimeter C-Sand

Site-wide perimeter groundwater primary and secondary VOC impacts have been delineated in the C-Sand through eight depth-discrete Simulprobe grab samples (Figures 7 and 8). No groundwater monitoring wells are currently present in the C-Sand. The predominant VOC present is TCE, found at a maximum concentration of 1,400 µg/l in Simulprobe grab sample DDS-2-22 along the southern Site boundary. Chloroform and chlorobenzene concentrations are also present at concentrations of 1,100 µg/l and 5,700 µg/l respectively in Simulprobe grab sample DDS-2-29 along the southern Site boundary. These impacts are also believed to be from the Montrose Site (Haley & Aldrich, 2002a).

Concentrations of TCE and other primary VOCs in the perimeter wells are significantly lower than concentrations in the Building 1/36 and Building 2 source areas (Figures 7 and 8). Maximum concentrations of other secondary VOCs were also detected in Simulprobe grab sample DDS-1-10: 1,1-DCE (410 µg/l) and cis-1,2-DCE (8.6 µg/l). Details of the Site groundwater assessment are included in the Site-Wide Groundwater Assessment Report (Haley & Aldrich, 2002a).

Wells BL-9B, BL-10B, and BL-11B were recently installed by TRC and sampled in September 2002. The TRC wells were reported to have TCE concentrations of 33, 140, and 2,800 μ g/l, respectively (TRC, 2002) (Figure 7). This was the initial sampling of these wells, and the results will be confirmed in subsequent monitoring and sampling events. However, the data has been reviewed within the context of the Former C-6 Facility source areas and does not change any recommendations at this time.

4.0 GROUNDWATER CONCEPTUAL MODEL

A conceptual model for contaminant transport in groundwater at the Site has been developed based on the following: types of sources, the physical and chemical characteristics of the chemicals present, and the anticipated fate and transport of the chemicals within the impacted media for the purpose of monitoring system design. The following provides the key Site-wide components of the conceptual model, followed by specific fate and transport considerations for the Building 1/36, Building 2, and perimeter areas.

The primary mechanism of primary and secondary VOC fate and transport is groundwater flow. Groundwater flow and fate and transport include the following key components:

- Horizontal groundwater flow is the predominant transport mechanism. This is supported by good correlation of VOC plume shape with the predominant horizontal groundwater flow direction.
- Groundwater flow on the Site is predominantly to the south in the B-Sand, and is reported to be to the southeast in the C-Sand. Horizontal groundwater flow also appears to converge to the center of the Site, based on groundwater elevation contour maps (Appendix D, Haley & Aldrich, 2002a).
- Dispersion and diffusion are secondary but important transport mechanisms, as evidenced by the increase in the lateral extent of the VOC plumes with respect to distance downgradient from the suspected sources. Converging horizontal groundwater flow on the Site has likely minimized the effects of dispersion and diffusion.
- Downward vertical migration appears to be the primary mechanism of impacts penetrating into the C-Sand due to the slight vertical component of groundwater flow. The Middle Bellflower Mud reduces this downward migration in those areas where it is present. Localized differences in permeability of the subsurface materials, plus localized and seasonal differences in the direction of groundwater movement, result in deviations in the plume geometry. In areas where the Middle Bellflower Mud has higher permeability, the primary and secondary VOC plumes appear to “step down” into the C-Sand.
- The calculated groundwater flow rate (5 to 20 feet per year) is due to the overall low permeability of the subsurface materials and shallow hydraulic gradient. This is consistent with the length of the groundwater plumes, considering the time since Site activity began.
- Water chemistry data, including dissolved oxygen (DO) and oxidation reduction potential (ORP), indicate that the overall rate of primary and secondary VOC migration may be further retarded by natural degradation processes. This is supported by the occurrence of the degradation daughter products cis-1,2-DCE and

1,1-DCE in the TCE and 1,1,1-TCA plume areas, respectively. The limited size of the groundwater plumes, and the steep concentration gradients observed for toluene and 2-butonane with respect to the other primary and secondary VOCs also indicate that these compounds may be more actively degrading. Depressed DO and ORP values within the VOC source areas indicate reducing conditions, and suggest that the VOCs are undergoing biotransformation.

- The presence of chlorobenzene in groundwater along the southern Site boundary may be enhancing the rate of primary and secondary VOC degradation, and therefore assisting in maintaining the downgradient limits of the plumes within the Site boundary.

4.1 Building 1/36 Conceptual Model

Components of the Site conceptual model specific to the fate and transport of primary and secondary VOCs in the Building 1/36 area include:

- Groundwater concentrations of primary and secondary VOCs are highest in the upper B-Sand, and significantly decline in the bottom B-Sand and C-Sand units.
- Two source areas exist: one below the former Building 1/36 chemical storage complex, and a second near the depth-discrete Simulprobe location DDS-1-14.
- The observed B-Sand plume length (approximately 1,000 feet) and the predicted plume length (500 to 1,000 feet) appear to correlate well, taking into account the two source areas, a horizontal flow rate of 10 to 20 feet per year, and up to 50 years of Site operations.
- The observed concentrations of TCE in groundwater, along with the lack of observed free-product, suggests that dense non-aqueous phase liquid (DNAPL) is not present.
- The presence of elevated abiotic and biological degradation compounds (1, 1-DCE and cis-1,2-DCE respectively) suggests that natural attenuation processes are actively occurring. Field measurements of DO and ORP reinforce these observations.
- Small vertical hydraulic gradients (0.003 ft/ft) between the B-Sand and C-Sand have been measured. These gradients, combined with diffusion, are likely the predominant mechanisms of VOC transport from the B-Sand to the C-Sand.
- The Middle Bellflower Mud appears to be laterally continuous in the Building 1/36 area, and is likely retarding the vertical migration VOCs to the C-Sand.
- C-Sand impacts are significantly smaller in aerial extent and concentration.

- Although no C-Sand groundwater monitoring wells currently exist, the southeastern plume orientation correlates well with a reported southeastern groundwater flow direction at adjacent sites, and is different from the southern flow in the B-Sand.

4.2 Building 2 Conceptual Model

Components of the Site conceptual model specific to the fate and transport of primary and secondary VOCs in the Building 2 area include:

- Groundwater concentrations of primary and secondary VOCs are highest in the upper B-Sand, and significantly decline in the bottom B-Sand.
- One main source area has been identified below a former Building 2 clarifier and metal treatment area. Smaller low-concentration source areas may also exist within the former Building 2 area (Haley & Aldrich, 2002a).
- Horizontal groundwater flow in the Building 2 area is predominantly to the southeast. The overall plume orientation correlates well with the observed groundwater flow direction.
- The observed B-Sand plume length (approximately 1,400 feet) and the predicted plume length (500 to 1,000 feet) do not appear to correlate well, taking into account the single source area assuming a horizontal flow rate of 10 to 20 feet per year, and up to 50 years of Site operations. The presence of multiple lower-concentration sources in the former Building 2 area could explain the observed plume size and distribution (Haley & Aldrich, 2002a).
- Concentrations of TCE in groundwater, along with the lack of observed free-product, suggests that DNAPL is not present.
- The lower concentrations of abiotic and biological degradation compounds (1, 1-DCE and cis-1,2-DCE respectively) suggest that natural attenuation processes are occurring, but at a lower rate than those observed at the Building 1/36 area. Field measurements of DO and ORP reinforce these observations.
- Elevated C-Sand impacts are not present below the source area, but occur approximately 750 feet downgradient of the source area.
- The Middle Bellflower Mud is significantly thinner in the Building 2 and southern portions of the site, and may not be laterally continuous. It is possible that this thinning or even absence of the Middle Bellflower Mud allowed the B-Sand plume to “step-down” into the C-Sand.
- The presence of small vertical hydraulic gradients (0.003 ft/ft) between the B-Sand and C-Sand measured in the Building 1/36 area, combined with the thinning or

absence of the Middle Bellflower Mud and VOC diffusion, are likely the predominant mechanisms of transport of VOCs from the B-Sand to the C-Sand.

- Although no C-Sand groundwater monitoring wells currently exist, the southeastern plume orientation appears to correlate well with a reported southeastern groundwater flow direction at adjacent sites.

4.3 Site-Perimeter Groundwater Conceptual Model

Components of the Site conceptual model specific to the fate and transport of primary and secondary VOCs along the perimeter of the Site include:

- Groundwater concentrations of primary and secondary VOCs are delineated, and are generally near the maximum contaminant levels (MCLs) along the Site perimeter, with the highest concentrations present in the upper B-Sand.
- Horizontal groundwater flow in the B-Sand enters the Site from the north, along 190th Street. Groundwater flows onto the Site from the northwest along the western Site perimeter, and from the northeast along the eastern Site perimeter (Normandie Avenue). These groundwater flow directions result in an overall groundwater flow direction to the south, with convergence towards the center of the Site.
- Elevated primary VOCs in DAC-P1 along the western Site boundary are believed to be from groundwater impacts at the former ILM site.
- Elevated primary VOCs in TMW-10 along the eastern Site boundary are possibly from groundwater impacts at the former Del Amo site.
- Elevated chloroform/chlorobenzene concentrations along the southern Site perimeter are believed to be from groundwater impacts at the former Montrose Chemical site.
- The presence of biological degradation compounds (cis-1,2-DCE) suggests that natural attenuation processes are actively occurring along the southern Site perimeter. Field measurements of DO and ORP reinforce these observations. These processes could be contributing to containment of the primary and secondary VOC plumes on the Site.

5.0 PROPOSED GROUNDWATER MONITORING NETWORK

Using the groundwater characterization results and conceptual groundwater model discussed above, a groundwater monitoring well network is proposed to accomplish the groundwater monitoring goals stated in Section 1. This groundwater monitoring well network will consist of existing groundwater monitoring wells, LARWQCB-approved groundwater remediation monitoring wells to be installed (Arcadis G&M, 2001, 2002a, 2002b), and proposed groundwater monitoring wells. Groundwater monitoring well sampling is provided in the annual Groundwater Monitoring Work Plan, submitted to the LARWQCB each December for the upcoming year.

Since the Site is currently undergoing various stages of redevelopment construction and planning, existing groundwater monitoring wells may need to be abandoned, and proposed monitoring well locations may need to be adjusted. The LARWQCB will be notified of such changes as necessary, and appropriate documentation will be subsequently provided.

The following sections discuss the specific B-Sand and C-Sand groundwater monitoring needs and proposed monitoring network for the Building 1/36 source area, the Building 2 source area, and the Site-perimeter monitoring.

5.1 Building 1/36 Source Area

5.1.1 Building 1/36 B-Sand

There are 9 existing groundwater monitoring wells in the Building 1/36 B-Sand area. Additionally, five bioremediation monitoring wells have been approved by the LARWQCB as part of the Building 1/36 bioremediation program for installation. However, not all of the Site-wide groundwater monitoring objectives can be met with these 16 wells. Objectives not met include:

- No Building 1/36 source area upgradient groundwater monitoring location
- No Building 1/36 source area immediately downgradient groundwater monitoring location

To meet this objective, two additional B-Sand groundwater monitoring wells (MWB008 and MWB010) are proposed, as indicated in Table 1 and Figure 12. Well construction details are provided in Table 1. Installation will be coordinated with Site redevelopment plans and schedules.

5.1.2 Building 1/36 C-Sand

No groundwater monitoring wells currently exist in the Building 1/36 source-area C-Sand at the Site. Four C-Sand bioremediation monitoring wells have been approved

for installation by the LARWQCB. Building 1/36 source-area groundwater monitoring objectives not met with these four wells include:

- Crossgradient groundwater monitoring wells do not exist
- A downgradient groundwater monitoring well does not exist
- Groundwater gradients and flow within the C-Sand are unknown

To meet these objectives, three additional C-Sand groundwater monitoring wells are proposed, as indicated in Table 1 and Figure 13. These wells include MWC009, MWC04D and MWC011 to address the objectives above respectively. Well construction details are provided in Table 1. Installation will be coordinated with Site redevelopment plans and schedules.

5.2 Building 2 Source Area

5.2.1 Building 2 B-Sand

A total of three groundwater monitoring wells are currently present in the Building 2 source area B-Sand (Figure 12). Additionally, four bioremediation monitoring wells have been approved by the LARWQCB as part of the Building 2 bioremediation program for installation (Arcadis G&M, 2001 and 2002b). However, not all of the Site-wide groundwater monitoring objectives can be met with these eight wells. Objectives not met include:

- An upgradient groundwater monitoring well does not exist
- A downgradient plume constraint does not exist
- Groundwater monitoring wells to separate Building 1/36 and Building 2 plumes does not exist

To meet these objectives, three additional B-Sand groundwater monitoring wells are proposed, as indicated in Table 2 and Figure 12. These wells include MWB012, MWB013 and MWB014. Well construction details are provided in Table 2. Installation will be coordinated with Site redevelopment plans and schedules.

5.2.2 Building 2 C-Sand

No groundwater monitoring wells currently exist in the Building 2 source-area C-Sand at the Site. Three C-Sand bioremediation monitoring wells have been approved for installation by the LARWQCB. Building 2 source-area groundwater monitoring objectives not met with these three wells include:

- An upgradient groundwater monitoring well does not exist
- Crossgradient groundwater monitoring wells do not exist
- Groundwater gradients and flow within the C-Sand is unknown

To meet these objectives, three additional C-Sand groundwater monitoring wells are proposed, as indicated in Table 2 and Figure 13. These wells include MWC015, MWC016 and MWC017 to address the objectives above respectively. Well construction details are provided in Table 1. Installation will be coordinated with Site redevelopment plans and schedules.

5.3 Site-Perimeter Groundwater

5.3.1 Site-Perimeter B-Sand

The existing B-Sand Site-perimeter groundwater monitoring well network of nine groundwater monitoring wells satisfies the Site-wide groundwater monitoring program goals, with the exception of monitoring the northern and southern Site boundaries as follows:

- The well currently used to monitor the chloroform/chlorobenzene plumes along the southern Site boundary, originating from the former Montrose facility, is scheduled to be abandoned in the winter of 2003 due to Site redevelopment.
- No northern Site boundary well exists due to abandonment of WCC-11S

To provide southern Site perimeter monitoring, two additional B-Sand groundwater monitoring wells are proposed, as indicated in Table 3 and Figure 12. These wells include MWB019 and MWB020 to address the objectives above respectively. Well construction details are provided in Table 3 and Figure 12. Installation will be coordinated with Site redevelopment plans and schedules.

5.3.2 Site-Perimeter C-Sand

No groundwater monitoring wells currently exist in the Building 2 source-area C-Sand at the Site. Two C-Sand bioremediation monitoring wells have been approved for installation by the LARWQCB. Site-perimeter groundwater monitoring objectives not met with these two wells include:

- Flow of groundwater in C-Sand at the eastern and southern Site boundaries is presently unknown
- No downgradient/perimeter monitoring location along the eastern Site boundary near the former Del Amo site

To meet these objectives, one additional C-Sand groundwater monitoring well (MWC021) is proposed. Well construction details are provided in Table 3 and Figure 13. Installation will be coordinated with Site redevelopment plans and schedules.

6.0 GROUNDWATER MONITORING WELL INSTALLATION

6.1 Drilling

The B-Sand groundwater monitoring wells will be advanced using a hollow stem auger drilling rig to approximately 85 to 90 feet bgs. The C-Sand groundwater monitoring wells will be advanced using a temporary steel casing-type drilling method such as air rotary casing hammer (ARCH) or rotosonic drilling to approximately 115 to 125 feet bgs. Drilling depths in Tables 1 through 3 are approximate, and will be adjusted in the field based on lithology.

6.2 Permits

Prior to drilling activities, permits will be obtained from the Los Angeles County Department of Health Services for each groundwater monitoring well.

6.3 Groundwater Monitoring Well Installation and Surveying

The wells will be constructed using 4-inch outside diameter (OD) Schedule-40 polyvinyl chloride (PVC) casing. The wells will contain 20 to 25 feet of 0.020-slotted screen. Screen intervals for each well are included on Tables 1 through 3. The annular space between the formation and the slotted casing will be filter packed using #3 Monterey sand to approximately 2 feet above the top of the perforated zone. A bentonite seal will be placed on top of the filter pack to a thickness of approximately 3 feet, and the remaining annular space will be sealed with a cement grout. The top of the well will be completed using a 12-inch-diameter steel traffic-rated vault secured in a concrete apron. The top of the well casing inside the vault will be covered with a locking PVC cap. Drilling and well depths will be adjusted in the field based on lithology.

The wells will be developed by surging, bailing, and/or pumping as appropriate. The wells will be monitored and sampled no sooner than 72 hours after installation. After the groundwater monitoring wells have been installed, the well casing location and elevation will be surveyed to the Site benchmark.

6.4 Residuals Management

Residuals generated during the investigation program will include soil cuttings, drilling mud and groundwater monitoring well development, and purge water. Soil cuttings and drilling mud generated during the drilling will be placed in lined and covered roll-off bins. Upon completion of drilling activities, the soil and drilling mud will be sampled and characterized for disposition in accordance with Site soil disposition protocols.

Groundwater monitoring well development and purge water will be contained in 55-gallon drums and labeled. Upon completion of field activities, the water will be characterized for proper off-Site disposition by Boeing.

6.5 Health and Safety

Personnel completing the work will be 40-hour Occupational Health and Safety Administration (OSHA)-certified, and will use Level D protection. Work will be conducted in accordance with the Site-specific Health and Safety Plan dated June 8, 2001 and updated November 12, 2001 and October 30, 2002.

7.0 GROUNDWATER SAMPLING

The wells will be monitored and sampled according to the procedures set forth in the Site-Wide Groundwater Monitoring Workplan 2003 (Haley & Aldrich, 2002c) and the monitoring requirements of the bioremediation Waste Discharge Requirement (WDR) permit.

The wells will be sampled within two weeks following installation and sampled quarterly for three additional events following. After the first four events, the wells will be sampled semi-annually.

8.0 SCHEDULE

The proposed wells will be installed in phases as Site redevelopment and groundwater remediation installation progresses in 2003 to prevent removal and re-installation. The LARWQCB will be notified of significant changes to this proposed program and an appropriate addendum will subsequently be provided.

9.0 REPORTING

The groundwater monitoring analytical data will be added to the annual and semi-annual groundwater monitoring reports as the new wells are installed. The annual and semi-annual monitoring events occur in March and September of each year, with report submittals to the RWQCB occurring 60 days after field monitoring. The annual and semi-annual groundwater reports are submitted to the LARWQCB in May and November of each year.

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TABLES

FIGURES

Table 1
Existing & Proposed Groundwater Monitoring Wells
Building 1/36 Groundwater Plume
Former Boeing C-6 Facility, Los Angeles, California

EXISTING B-SAND WELLS WELL	Screen Interval Depth (feet)	LOCATION/PURPOSE	COMMENTS	PROPOSED B-SAND WELLS		LOCATION/PURPOSE	COMMENTS
				WELL	Screen Interval Depth (feet)		
WCC-3S	69-89	Crossgradient to source area	Currently not in proposed building footprint	MWB008	65-90	Upgradient of source area	Currently not in proposed building footprint
WCC-4S	70-5-90.5	Crossgradient to source area	Currently not in proposed building footprint	MWB010	65-90	Immediate downgradient of source area	Currently not in proposed building footprint
WCC-7S	60-90	Crossgradient of source area - not on plume axis	Currently not in proposed building footprint				
WCC-12S	60-90	Crossgradient of plume	Well is not located in optimal position - Closure recommended				
TMW-1	61-81	Western limit of source area	Currently not in proposed building footprint				
TMW-2	62-82	Source Area	Currently not in proposed building footprint				
		Downgradient of source area, on plume axis	Currently not in proposed building footprint (approximately 50 feet from proposed building)				
TMW-4	60-80		Currently not in proposed building footprint				
TMW-7	64-84	Crossgradient of downgradient source	Currently not in proposed building footprint				
TMW-9	61-81	Crossgradient/downgradient of source - not on plume axis	Currently not in proposed building footprint				
MWB001	85-95	Dual-screen for IRZ bioremediation program	Approved location by the LARWQCB; Screened in the Lower B-Sand				
MWB003	65-85; 85-95	Dual-screen for IRZ bioremediation program	Approved location by the LARWQCB; Screened in the Upper and Lower B-Sand				
MWB005	65-85	Dual-screen for IRZ bioremediation program; Downgradient constraint of source	Approved location by the LARWQCB; Screened in the Upper B-Sand				
MWBC06	65-85; 85-95; 95-115	Dual-screen for IRZ bioremediation program	Approved location by the LARWQCB; Screened in the Upper and Lower B-Sand and C-Sand				
MWBC07	65-85; 85-95; 95-115	Dual-screen for IRZ bioremediation program; Upgradient/Crossgradient of source	Approved location by the LARWQCB; Screened in the Upper and Lower B-Sand and C-Sand				

Table 1
Existing & Proposed Groundwater Monitoring Wells
Building 1/36 Groundwater Plume
Former Boeing C-6 Facility, Los Angeles, California

EXISTING C-SAND WELLS		LOCATION/PURPOSE	COMMENTS	WELL	Screen Interval Depth (feet)	LOCATION/PURPOSE	COMMENTS
MWC020	95-115	IRZ bioremediation well; Core of 1,1-DCE source area	Approved location by the LARWQCB; Screened in the C-Sand plume	MWC009	95-115	Downgradient of 1,1-DCE source area; Track possible off-site migration of plume	Currently not in proposed building footprint
MWC004	95-115	IRZ Bioremediation well; Crossgradient of plume	Approved location by the LARWQCB; Screened in the C-Sand plume	MWC045	95-115	Crossgradient of source area (eastern constraint)	Currently not in proposed building footprint
MWC006	95-115	IRZ Bioremediation well; Upgradient of plume (1,1-DCE, 1,1,1-TCA, 2-butanone, toluene)	Approved location by the LARWQCB; Screened in the Upper and Lower B-Sand and C-Sand well	MWC011	95-115	Upgradient constraint of source area; On axis of B sand plume	Currently not in proposed building footprint
MWC007	95-115	IRZ Bioremediation well; Upgradient of source area	Approved location by the LARWQCB; Screened in the Upper and Lower B-Sand and C-Sand well				

Notes:
LARWQCB = Los Angeles Regional Water Quality Control Board

Table 2
Existing & Proposed Groundwater Monitoring Wells
Building 2 Groundwater Plume
Former Boeing C-6 Facility, Los Angeles, California

EXISTING B-SAND WELLS		Screen Interval WELL Depth (feet)	LOCATION/PURPOSE	COMMENTS	WELL	Screen Interval Depth (feet)	LOCATION/PURPOSE	COMMENTS
TMW-6	61-281.2	Crossgradient/downgradient of plume; Downgradient of Building 1/36 plume	Currently not in proposed building footprint; (approximately 30 feet from proposed building)	MWB012	65-85	Northeastern plume constraint; Separates Building 1/36 and 2 plumes	Currently not in proposed building footprint (approximately 70 feet from proposed building)	
TMW-15	61-281.2	Western constraint of plume - near source	Currently not in proposed building footprint (approximately 30 feet from proposed building)	MWB013	65-85	Upgradient of source area	Currently not in proposed building footprint (approximately 130 feet from proposed building)	
X MW-09	66-81	Downgradient of plume - Monrose well	Currently not in proposed building footprint	MWB014	65-85	Downgradient constraint of source area	Currently not in proposed building footprint (approximately 130 feet from proposed building)	
MWBZ01	65-85	Dual-screen for IRZ bioremediation program; Center of source area	Approved location by the LARWQCB; Screened in the B-Sand					
MWBZ02	65-85	Dual-screen for IRZ bioremediation program; Center of source area	Approved location by the LARWQCB; Screened in the B-Sand					
MWBZ03	65-85	Dual-screen for IRZ bioremediation program; Crossgradient/upgradient of plume	Approved location by the LARWQCB; Screened in the B-Sand					
MWBZ04	65-85	Dowgradient of core plumbian residual plume	Approved location by the LARWQCB; Screened in the B-Sand					
EXISTING C-SAND WELLS					PROPOSED C-SAND WELLS			
MWCZ01	100-125	Dual-screen for IRZ bioremediation program; Southeastern limit of source area	Approved location by the LARWQCB; Screened in the C-Sand	MWC015	100-125	Crossgradient of source area; Track movement of Building 1/36 plume	Currently not in proposed building footprint (approximately 30 feet from proposed building)	
MWCZ02	100-125	Dual-screen for IRZ bioremediation program; Northwestern limit of source area	Approved location by the LARWQCB; Screened in the C-Sand	MWC016	100-125	Upgradient of TCE source area; Monitor the "diving" plume	Currently not in proposed building footprint (approximately 20 feet from proposed building)	
MWC026	100-125	IRZ bioremediation program; Core of source area	Currently not in proposed building footprint (approximately 30 feet from proposed building)	MWC017	100-125	Southwestern constraint of Building 2 source area plume	Currently not in proposed building footprint (approximately 100 feet from proposed building)	

Notes:

LARWQCB = Los Angeles Regional Water Quality Control Board

Table 3
Existing & Proposed Groundwater Monitoring Wells
Site-Perimeter Groundwater Quality and Off-Site Sources
Former Boeing C-6 Facility, Los Angeles, California

EXISTING B-SAND WELLS		LOCATION/PURPOSE		ISSUES		Screen Interval		LOCATION/PURPOSE	
WELL	Depth (feet)	WELL	Depth (feet)	WELL	Depth (feet)	WELL	Depth (feet)	ROPOSED B-SAND WELLS	Issues
WCC-5S	61.91	Del Amo boundary well		Currently not in proposed building footprint		MWB019	65-85	Track Monroso groundwater plumes on BRC parcels	Not in proposed building footprint
WCC-9S	60.90	Eastem boundary well		Currently not in proposed building footprint		MWB020	65-90	Extreme upgradient of plume; outside of Walmar	Currently not in proposed building
TMW-10	60.5-80.5	Track Monroso groundwater plumes on BRC parcels as well as Del Amo plume		Currently not in proposed building footprint					
TMW-11	58-78	Track Monroso groundwater plumes on BRC parcels as well as Del Amo plume		Currently not in proposed building footprint					
XMW-08	NA	Track Monroso groundwater plumes on BRC parcels		Currently not in proposed building footprint					
XMW-09	66-81	Track Monroso groundwater plumes on BRC parcels		Currently not in proposed building footprint					
XMW019	63-79	Track Monroso groundwater plumes on BRC parcels as well as Del Amo plume		Currently not in proposed building footprint					
BL-3	62-82	Track ILM TCE plume onto BRC parcels		Currently not in proposed building footprint					
DAC-CPI	NA	Track ILM TCE plume onto BRC parcels		Currently not in proposed building footprint					
EXISTING C-SAND WELLS		ROPOSED C-SAND WELLS							
MWC001	100-125	Monitor Monroso plume; Extreme downgradient of plume (off axis of plume)		Currently not in proposed building footprint				Monitor Del Amo conditions; Extreme downgradient of Building 1/36 hot spot (off axis of plume)	
MWC002	100-125	Monitor Monroso plume; Extreme downgradient of Building 2 plume (on axis of plume)		Currently not in proposed building footprint		MWC021	100-125	Currently not in proposed building footprint	

Notes:

LARWQCB = Los Angeles Regional Water Quality Control Board

BRCC = Boeing Realty Corporation

NA = Not available

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 10949	Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	Analyzed:	06/21/99	06/21/99	06/21/99	06/18/99
		Reported:	06/24/99	06/24/99	06/24/99	06/24/99

		Lab Sample I.D.	99060174	99060177	99060178	99060181
		Client Sample I.D.	Par D-B3	Par D-B4	Par D-B4	Par D-B2
			-4-15	-3-10	-4-15	-3-10

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			mg/kg	µg/kg	µg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Propylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY	%RC	%RC	%RC	%RC
Dibromofluoromethane	110	111	110	91
Toluene-d8	90	91	89	95
4-Bromofluorobenzene	89	88	88	96

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/17/99	06/17/99	06/17/99	06/17/99
<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

<i>Lab Sample I.D.</i>	99060172	99060175	99060176	99060179
<i>Client Sample I.D.</i>	Par D-83	Par D-84	Par D-84	Par D-82
	-2-5	-1-0.5	-2-5	-1-0.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Ethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	110-75-3	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	<2.5	<2.5	<2.5	130
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	8.9	<2.5	<2.5	47
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1,2-Tetrafluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

INT-11

Orange Coast Analytical, Inc

BOE-C6-0008030

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 10949	<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
Client Project #:	994009.00	<i>Analyzed:</i>	06/17/99	06/17/99	06/17/99	06/17/99
		<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

ANALYTE (CONT)	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	mg/kg	µg/kg	µg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY	%RC	%RC	%RC	%RC
Dibromofluoromethane	95	96	95	91
Toluene-d8	99	100	95	98
4-Bromofluorobenzene	94	91	95	95

Kennedy Jenks Consultants

TN: Mr. Jay Knight
 151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

<i>Sampled:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Received:</i>	06/16/99	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/18/99	06/18/99	06/18/99	06/21/99
<i>Reported:</i>	06/24/99	06/24/99	06/24/99	06/24/99

Laboratory Reference #: KJC 10949

<i>Lab Sample I.D.</i>	99060166	99060169	99060170	99060173
<i>Client Sample I.D.</i>	Par D-B1	Par D-B9	Par D-B9	Par D-B3
	-4-15	-3-10	-4-15	-3-10

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	23	35	53	8.0
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #: KJC 10949

Sampled: 06/16/99 06/16/99 06/16/99 06/16/99

Client Project ID: Boeing C-6 Parcel D

Received: 06/16/99 06/16/99 06/16/99 06/16/99

Client Project #: 994009.00

Analyzed: 06/18/99 06/18/99 06/18/99 06/21/99

Reported: 06/24/99 06/24/99 06/24/99 06/24/99

	<i>Lab Sample I.D.</i>	99060166	99060169	99060170	99060173
	<i>Client Sample I.D.</i>	Par D-B1	Par D-B9	Par D-B9	Par D-B3
		-4-15	-3-10	-4-15	-3-10

ANALYTE (CONT)**CAS NUMBER****DETECTION****LIMIT****mg/kg****SAMPLE RESULTS****µg/kg****µg/kg****µg/kg****µg/kg****µg/kg**

Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
Chlorotoluene	95-49-3	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1-2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY**%RC****%RC****%RC****%RC**

Dibromofluoromethane

114

123*

124*

105

Toluene-d8

88

87

86

90

4-Bromofluorobenzene

86

83

84

89

* Matrix Interference

Kennedy Jenks Consultants
 TN: Mr. Jay Knight
 151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10949

Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Received:	06/16/99	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Lab Sample I.D.	99060164	99060167	99060168	99060171
Client Sample I.D.	Par D-B1	Par D-B9	Par D-B9	Par D-B3
	-2-5	-1-0.5	-2-5	-1-0.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	2.5	37	40	<2.5
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	24	13	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
Dichlorodifluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #: KJC 10949

Sampled: 06/16/99 06/16/99 06/16/99 06/16/99

Client Project ID: Boeing C-6 Parcel D

Received: 06/16/99 06/16/99 06/16/99 06/16/99

Client Project #: 994009.00

Analyzed: 06/17/99 06/17/99 06/17/99 06/17/99

Reported: 06/17/99 06/17/99 06/17/99 06/17/99

	<i>Lab Sample I.D.</i>	99060164	99060167	99060168	99060171
	<i>Client Sample I.D.</i>	Par D-B1	Par D-B9	Par D-B9	Par D-B3
		-2-5	-1-0.5	-2-5	-1-0.5

ANALYTE (CONT)**CAS
NUMBER****DETECTION
LIMIT****mg/kg** **µg/kg** **µg/kg** **µg/kg** **µg/kg**

Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Propylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

**SURROGATE
RECOVERY**

Dibromofluoromethane	90	91	94	89
Toluene-d8	96	100	98	99
4-Bromofluorobenzene	96	92	95	95

Kennedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled:	—	06/16/99	06/16/99	06/16/99
Received:	—	06/16/99	06/16/99	06/16/99
Analyzed:	06/17/99	06/17/99	06/17/99	06/17/99
Reported:	06/17/99	06/17/99	06/17/99	06/17/99

Laboratory Reference #: KJC 10949

Lab Sample I.D.	Method Blank	99060159	99060160	99060163
Client Sample I.D.	—	Par D-B10	Par D-B10	Par D-B1
		-1-0.5	-2-5	-1-0.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION	SAMPLE RESULTS			
		LIMIT µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Propane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
Z-Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	<2.5	50	17	24
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	31	<2.5	31
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	6.2	<2.5
1,1,1,2-Tetrafluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #: KJC 10949

Sampled: — 06/16/99 06/16/99 06/16/99

Client Project ID: Boeing C-6 Parcel D

Received: — 06/16/99 06/16/99 06/16/99

Client Project #: 994009.00

Analyzed: 06/18/99 06/18/99 06/18/99 06/18/99

Reported: 06/24/99 06/24/99 06/24/99 06/24/99

	<i>Lab Sample I.D.</i>	Method Blank	99060161	99060162	99060165
	<i>Client Sample I.D.</i>	—	Par D-B10	Par D-B10	Par D-B1
			-3-10	-4-15	-3-10

ANALYTE (CONT)**CAS NUMBER****DETECTION LIMIT****SAMPLE RESULTS**

		<i>mg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY

%RC %RC %RC %RC

Dibromofluoromethane	99	107	112	110
Toluene-d8	90	88	88	88
4-Bromofluorobenzene	90	90	88	89

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #: KJC 10949

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/16/99	06/16/99	06/16/99
<i>Analyzed:</i>	06/17/99	06/17/99	06/17/99	06/17/99
<i>Reported:</i>	06/17/99	06/17/99	06/17/99	06/17/99

<i>Lab Sample I.D.</i>	Method Blank	99060159	99060160	99060163
<i>Client Sample I.D.</i>	—	Par D-B10	Par D-B10	Par D-B1
		-1-0.5	-2-5	-1-0.5

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
		<i>mg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>	<i>µg/kg</i>
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1-2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5
SURROGATE RECOVERY			%RC	%RC	%RC	%RC
<i>Dibromofluoromethane</i>			93	94	89	94
<i>Toluene-d8</i>			95	98	97	102
<i>4-Bromofluorobenzene</i>			97	93	96	91

nney Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Water)

Laboratory Reference #: KJC 10950

	Sampled:	—	06/16/99	06/16/99	06/16/99
	Received:	—	06/17/99	06/17/99	06/17/99
	Analyzed:	06/21/99	06/21/99	06/21/99	06/21/99
	Reported:	06/25/99	06/25/99	06/25/99	06/25/99
	Lab Sample I.D.	MB	99060200	99060201	99060202
	Client Sample I.D.	—	Rinsate-1	Field Blank-1	Trip Blank-2

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/l	µg/l	µg/l	µg/l
Benzene	71-43-2	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	75-27-4	1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	75-25-2	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	74-83-9	1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	75-15-0	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	56-23-5	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	108-90-7	0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	124-48-1	0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	75-00-3	0.5	<0.5	<0.5	<0.5	<0.5
2-Chloroethyl vinyl ether	110-75-8	0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	67-66-3	0.5	<0.5	<0.5	<0.5	<0.5
Chloromethane	74-87-3	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	75-34-3	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	107-06-2	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	75-35-4	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	156-60-5	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	78-87-5	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	10061-01-5	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	10061-02-6	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	75-09-2	2.5	<2.5	<2.5	<2.5	<2.5
Styrene	100-42-5	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	127-18-4	0.5	<0.5	<0.5	<0.5	<0.5
Toluene	108-88-3	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	71-55-6	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	79-00-5	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	79-01-6	0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	75-69-4	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl acetate	108-05-4	1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	75-01-4	0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes	1330-20-7	1.0	<1.0	<1.0	<1.0	<1.0
Trifluoromethane	75-71-8	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Dichloroethene	156-59-2	0.5	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	594-20-7	0.5	<0.5	<0.5	<0.5	<0.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 10950	<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	<i>Received:</i>	—	06/17/99	06/17/99	06/17/99
Client Project #:	994009.00	<i>Analyzed:</i>	06/21/99	06/21/99	06/21/99	06/21/99
		<i>Reported:</i>	06/25/99	06/25/99	06/25/99	06/25/99
				SAMPLE DESCRIPTION (Water)		
		<i>Lab Sample I.D.</i>	MB	99060200	99060201	99060202
		<i>Client Sample I.D.</i>	—	Rinsate-1	Field Blank-1	Trip Blank-2
ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS		
		ug/l	ug/l	ug/l	ug/l	ug/l
Bromochloromethane	74-97-5	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	563-58-6	0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane	74-95-3	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane	106-93-4	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	142-28-9	0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	98-82-8	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	79-34-5	0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	96-18-4	0.5	<0.5	<0.5	<0.5	<0.5
Bromobenzene	108-86-1	0.5	<0.5	<0.5	<0.5	<0.5
Isopropylbenzene	103-65-1	0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	95-49-8	0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	108-67-8	0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	106-43-4	0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	98-06-6	0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	95-63-6	0.5	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	135-98-8	0.5	<0.5	<0.5	<0.5	<0.5
4-Isopropyltoluene	99-87-6	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	541-73-1	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	106-46-7	0.5	<0.5	<0.5	<0.5	<0.5
n-Butylbenzene	104-51-8	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	95-50-1	0.5	<0.5	<0.5	<0.5	<0.5
1-2-Dibromo-3-CPA	96-12-8	1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	120-82-1	0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	87-68-3	0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	87-61-6	0.5	<0.5	<0.5	<0.5	<0.5
	SURROGATE RECOVERY		%RC	%RC	%RC	%RC
	Dibromofluoromethane		89	95	92	94
	Toluene-d8		94	92	90	92
	4-Bromofluorobenzene		96	99	97	100

Innedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Laboratory Reference #: KJC 10950

Sampled:	06/16/99	06/16/99
Received:	06/17/99	06/17/99
Analyzed:	06/18/99	06/18/99
Reported:	06/25/99	06/25/99

Lab Sample I.D.	99060199	99060203
Client Sample I.D.	Par D-B8	Par D-B8
	-4-15	-3-10D

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
			µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5
Chlorodibromomethane	124-48-1	2.5	<2.5	<2.5
Propane	75-00-3	2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	3.7	4.9
Chloromethane	74-87-3	2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5
1,1,2-Trifluoromethane	75-71-8	2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-59-2	2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Laboratory Reference #:	KJC 10950	<i>Sampled:</i>	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	<i>Received:</i>	06/17/99	06/17/99
Client Project #:	994009.00	<i>Analyzed:</i>	06/18/99	06/18/99
		<i>Reported:</i>	06/25/99	06/25/99

	<i>Lab Sample I.D.</i>	99060199	99060203
	<i>Client Sample I.D.</i>	Par D-B8 -4-15	Par D-B8 -3-10D

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS	
			µg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5
αbenzene	108-86-1	2.5	<2.5	<2.5
βpropylbenzene	103-65-1	2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5
1-2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5

SURROGATE RECOVERY	%RC	%RC
<i>Dibromofluoromethane</i>	90	90
<i>Toluene-d8</i>	95	95
<i>4-Bromofluorobenzene</i>	96	96

nndy Jenks Consultants
TN: Mr. Jay Knight
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

Sampled: 06/16/99 *Received:* 06/17/99 *Analyzed:* 06/21/99 *Reported:* 06/25/99
Sampled: 06/16/99 *Received:* 06/17/99 *Analyzed:* 06/18/99 *Reported:* 06/25/99
Sampled: 06/16/99 *Received:* 06/17/99 *Analyzed:* 06/18/99 *Reported:* 06/25/99

Laboratory Reference #: KJC 10950

<i>Lab Sample I.D.</i>	99060195	99060196	99060197	99060198
<i>Client Sample I.D.</i>	Par D-B5	Par D-B8	Par D-B8	Par D-B8
	-4-15	-1-0.5	-2-5	-3-10

VOLATILE ORGANICS BY GC/MS (EPA 8260)

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 10950	Sampled:	06/16/99	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	Received:	06/17/99	06/17/99	06/17/99	06/17/99
Client Project #:	994009.00	Analyzed:	06/21/99	06/18/99	06/18/99	06/18/99
		Reported:	06/25/99	06/25/99	06/25/99	06/25/99

	Lab Sample I.D.	99060195	99060196	99060197	99060198
	Client Sample I.D.	Par D-B5 -4-15	Par D-B8 -1-0.5	Par D-B8 -2-5	Par D-B8 -3-10

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
mabenzen	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
ropylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY	%RC	%RC	%RC	%RC
Dibromofluoromethane	115	116	100	89
Toluene-d8	89	88	104	93
4-Bromofluorobenzene	85	84	89	95

nneedy Jenks Consultants

ATTN: Mr. Jay Knight
 2151 Michelson Dr. Suite 100
 Irvine, CA 92612

Client Project ID: Boeing C-6 Parcel D
 Client Project #: 994009.00

SAMPLE DESCRIPTION (Soil)

<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
<i>Received:</i>	—	06/17/99	06/17/99	06/17/99
<i>Analyzed:</i>	06/18/99	06/18/99	06/18/99	06/18/99
<i>Reported:</i>	06/25/99	06/25/99	06/25/99	06/25/99

Laboratory Reference #: KJC 10950

<i>Lab Sample I.D.</i>	Method Blank	99060192	99060193	99060194
<i>Client Sample I.D.</i>	—	Par D-B5	Par D-B5	Par D-B5
		-1-0.5	-2-5	-3-10

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT	SAMPLE RESULTS			
			µg/kg	µg/kg	µg/kg	µg/kg
Benzene	71-43-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	75-27-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	75-25-2	2.5	<2.5	<2.5	<2.5	<2.5
Bromomethane	74-83-9	2.5	<2.5	<2.5	<2.5	<2.5
Carbon Disulfide	75-15-0	5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride	56-23-5	2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	108-90-7	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromomethane	124-48-1	2.5	<2.5	<2.5	<2.5	<2.5
Propane	75-00-3	2.5	<2.5	<2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	110-75-8	5.0	<5.0	<5.0	<5.0	<5.0
Chloroform	67-66-3	2.5	<2.5	18	9.4	<2.5
Chloromethane	74-87-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	75-34-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	107-06-2	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	75-35-4	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	156-60-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	78-87-5	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	10061-01-5	2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	10061-02-6	2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	100-41-4	2.5	<2.5	<2.5	<2.5	<2.5
Methylene chloride	75-09-2	5.0	<5.0	<5.0	<5.0	<5.0
Styrene	100-42-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	127-18-4	2.5	<2.5	6.1	<2.5	<2.5
Toluene	108-88-3	2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	71-55-6	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	79-00-5	2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	79-01-6	2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	75-69-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl acetate	108-05-4	5.0	<5.0	<5.0	<5.0	<5.0
Vinyl chloride	75-01-4	2.5	<2.5	<2.5	<2.5	<2.5
Total Xylenes	1330-20-7	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Difluoromethane	75-71-8	2.5	<2.5	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	156-59-2	2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	594-20-7	2.5	<2.5	<2.5	<2.5	<2.5

VOLATILE ORGANICS BY GC/MS (EPA 8260)

(continued)

Laboratory Reference #:	KJC 10950	<i>Sampled:</i>	—	06/16/99	06/16/99	06/16/99
Client Project ID:	Boeing C-6 Parcel D	<i>Received:</i>	—	06/17/99	06/17/99	06/17/99
Client Project #:	994009.00	<i>Analyzed:</i>	06/18/99	06/18/99	06/18/99	06/18/99
		<i>Reported:</i>	06/25/99	06/25/99	06/25/99	06/25/99

<i>Lab Sample I.D.</i>	Method Blank	99060192	99060193	99060194
<i>Client Sample I.D.</i>	—	Par D-B5	Par D-B5	Par D-B5
		-1-0.5	-2-5	-3-10

ANALYTE (CONT)	CAS NUMBER	DETECTION LIMIT		SAMPLE RESULTS		
		$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$	$\mu\text{g}/\text{kg}$
Bromochloromethane	74-97-5	2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	563-58-6	2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	74-95-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane	106-93-4	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	142-28-9	2.5	<2.5	<2.5	<2.5	<2.5
Isopropylbenzene	98-82-8	2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	79-34-5	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	96-18-4	2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	108-86-1	2.5	<2.5	<2.5	<2.5	<2.5
Methylbenzene	103-65-1	2.5	<2.5	<2.5	<2.5	<2.5
2-Chlorotoluene	95-49-8	2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Chlorotoluene	106-43-4	2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	98-06-6	2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	95-63-6	2.5	<2.5	<2.5	<2.5	<2.5
sec-Butylbenzene	135-98-8	2.5	<2.5	<2.5	<2.5	<2.5
4-Isopropyltoluene	99-87-6	2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichlorobenzene	541-73-1	2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	106-46-7	2.5	<2.5	<2.5	<2.5	<2.5
n-Butylbenzene	104-51-8	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	95-50-1	2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromo-3-CPA	96-12-8	5.0	<5.0	<5.0	<5.0	<5.0
1,2,4-Trichlorobenzene	120-82-1	2.5	<2.5	<2.5	<2.5	<2.5
Hexachlorobutadiene	87-68-3	2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	91-20-3	2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	87-61-6	2.5	<2.5	<2.5	<2.5	<2.5

SURROGATE RECOVERY	%RC	%RC	%RC	%RC
Dibromofluoromethane	99	102	109	112
Toluene-d8	90	91	89	89
4-Bromofluorobenzene	90	88	89	88

QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/30/99

Laboratory Sample No : 99070472

Laboratory Reference No : KJC 11053

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	56	50	112	100	11
1,1-Dichloroethene	0.0	50	53	48	106	96	10
Trichloroethene	0.0	50	60	53	120	106	12
Toluene	0.0	50	55	50	110	100	10
Chlorobenzene	0.0	50	53	48	106	96	10

Definition of Terms :

- R1 Results Of First Analysis
- SP Spike Concentration Added to Sample
- MS Matrix Spike Results
- MSD Matrix Spike Duplicate Results
- PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
- PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
- RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/30/99

Laboratory Sample No : 99070456

Laboratory Reference No : KJC 11053

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	21	20	105	100	5
1,1-Dichloroethene	0.0	20	19	19	95	95	0
Trichloroethene	0.0	20	21	20	105	100	5
Toluene	0.0	20	22	20	110	100	10
Chlorobenzene	0.0	20	22	20	110	100	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/21/99

Laboratory Sample No : 99070361

Laboratory Reference No : IES 11030

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	47	46	94	92	2
1,1-Dichloroethene	0.0	50	52	55	104	110	6
Trichloroethene	0.0	50	49	47	98	94	4
Toluene	0.0	50	48	44	96	88	9
Chlorobenzene	0.0	50	49	46	98	92	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/30/99

Laboratory Sample No : 99070471

Laboratory Reference No : KJC 11053

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	44	50	88	100	13
n-Nitroso-di-n-propylamine	0.0	50	45	51	90	102	13
1,2,4-Trichlorobenzene	0.0	50	46	51	92	102	10
Acenaphthene	0.0	50	43	50	86	100	15
Pyrene	0.0	50	48	53	96	106	10
Pentachlorophenol	0.0	100	92	107	92	107	15
4-Chloro-3-Methylphenol	0.0	100	85	97	85	97	13
2-Chlorophenol	0.0	100	84	94	84	94	11
Phenol	0.0	100	81	91	81	91	12

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/21/99

Laboratory Sample No : OCA 200

Laboratory Reference No : IES 11030

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	43	86	86	0
n-Nitroso-di-n-propylamine	0.0	50	41	41	82	82	0
1,2,4-Trichlorobenzene	0.0	50	42	42	84	84	0
Acenaphthene	0.0	50	44	44	88	88	0
Pyrene	0.0	50	46	48	92	96	4
Pentachlorophenol	0.0	100	86	88	86	88	2
4-Chloro-3-Methylphenol	0.0	100	81	88	81	88	8
2-Chlorophenol	0.0	100	73	78	73	78	7
Phenol	0.0	100	68	72	68	72	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8081)

Date of Analysis :08/02/99

Laboratory Sample No :99070470

Laboratory Reference No : KJC 11053

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	50	43	47	86	94	9

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : KJC 11053

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	08/04/99	99070472	0.00	10.0	10.1	10.1	101	101	0
Arsenic	08/04/99	99070472	0.12	10.0	10.6	10.5	105	104	1
Banum	08/04/99	99070472	2.88	5.00	7.85	7.83	99	99	0
Beryllium	08/04/99	99070472	0.01	1.00	1.09	1.10	108	109	1
Cadmium	08/04/99	99070472	0.00	1.00	1.03	1.02	103	102	1
Chromium (Total)	08/04/99	99070472	0.45	1.00	1.50	1.48	105	103	1
Chromium (VI)	08/02/99	99070472	0.00	5.0	4.2	4.3	84	86	2
Cobalt	08/04/99	99070472	0.22	1.00	1.23	1.21	101	99	2
Copper	08/04/99	99070472	0.56	1.00	1.73	1.74	117	118	1
Lead	08/04/99	99070472	0.09	5.00	4.96	4.89	98	96	1
Mercury	08/03/99	99070472	0.00	1.00	0.94	0.96	94	96	2
Molybdenum	08/04/99	99070472	0.00	5.00	4.99	4.91	100	98	2
Nickel	08/04/99	99070472	0.38	5.00	5.51	5.44	103	101	1
Selenium	08/04/99	99070472	0.00	10.0	10.8	10.7	108	107	1
Silver	08/04/99	99070472	0.00	5.00	5.65	5.66	113	113	0
Thallium	08/04/99	99070472	0.00	10.0	9.18	9.03	92	90	2
Vanadium	08/04/99	99070472	0.98	5.00	6.23	6.24	105	105	0
Zinc	08/04/99	99070472	1.19	1.00	2.22	2.20	103	101	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/21/99

Laboratory Sample No :OCA 200

Laboratory Reference No : IES 11030

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	50	46	47	92	94	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11030

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	07/21/99	99070361	0.00	10.0	10.0	10.2	100	102	2
Arsenic	07/21/99	99070361	0.14	10.0	9.93	10.2	98	101	3
Barium	07/21/99	99070361	2.66	5.00	7.14	7.27	90	92	2
Beryllium	07/21/99	99070361	0.01	1.00	1.06	1.08	105	107	2
Cadmium	07/21/99	99070361	0.00	1.00	0.99	1.00	99	100	1
Chromium (VI)	07/21/99	99070361	0.0	5.0	4.1	4.0	82	80	2
Chromium (Total)	07/21/99	99070361	0.50	1.00	1.47	1.49	97	99	1
Cobalt	07/21/99	99070361	0.19	1.00	1.15	1.16	96	97	1
Copper	07/21/99	99070361	1.13	1.00	2.14	2.18	101	105	2
Lead	07/21/99	99070361	0.39	5.00	4.80	4.88	88	90	2
Mercury	07/21/99	99070361	0.00	1.00	0.93	0.93	93	93	0
Molybdenum	07/21/99	99070361	0.00	5.00	4.99	5.09	100	102	2
Nickel	07/21/99	99070361	0.36	5.00	5.32	5.41	99	101	2
Selenium	07/21/99	99070361	0.00	10.0	10.1	10.4	101	104	3
Silver	07/21/99	99070361	0.00	5.00	5.01	5.18	100	104	3
Thallium	07/21/99	99070361	0.00	10.0	9.20	9.85	92	99	7
Vanadium	07/21/99	99070361	0.94	5.00	5.80	5.90	97	99	2
Zinc	07/21/99	99070361	1.23	1.00	2.15	2.18	92	95	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Volatile Fuel Hydrocarbons (8015m)

Date of Analysis : 07/30/99

Laboratory Sample No : 99070453

Laboratory Reference No : KJC 11053

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	50	47	48	94	96	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Diesel (EPA 8015m)

Date of Analysis : 08/02/99

Laboratory Sample No : 99070471

Laboratory Reference No : KJC 11053

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Diesel	0.0	100	87	73	87	73	18

Definition of Terms :

R1 Results Of First Analysis

SP Spike Concentration Added to Sample

MS Matrix Spike Results

1SD Matrix Spike Duplicate Results

PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$

PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$

RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Diesel (EPA 8015m)

Date of Analysis : 07/21/99

Laboratory Sample No : OCA 200

Laboratory Reference No : IES 11030

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Diesel	0.0	100	101	114	101	114	12

Definition of Terms :

R1 Results Of First Analysis

SP Spike Concentration Added to Sample

MS Matrix Spike Results

MSD Matrix Spike Duplicate Results

PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$

PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$

RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Volatile Fuel Hydrocarbons

Date of Analysis : 07/20/99

Laboratory Sample No : OCA 200

Laboratory Reference No : IES 11030

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	50	49	47	98	94	4

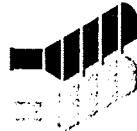
Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int _____

Orange Coast Analytical, Inc.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.
 3002 Dow, Suite 532
 Tustin, CA 92780
 (714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
 Phoenix, AZ 85040
 (602) 736-0960 Fax (602) 736-0970

REQUIRED TAT: **48 hr TAT + STD TAT**

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS/METHOD		REQUISITES/METHOD		PROJECT NUMBER		REMARKS/PRECAUTIONS			
COMPANY: <i>Bureau of Environmental Analysis</i>	PROJECT NAME: <i>Paul D - City Faculty</i>	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.										
SEND REPORT TO: <i>Los Angeles, CA</i>	NUMBER: <i>10418529050</i>	2	7/20/99	13:12	soil	4-oz	-	X	X	X	X					48 hr TAT	
ADDRESS: <i>Newport Beach, CA</i>	LOCATION: <i>Los Angeles, CA</i>	1	7/20/99	13:18	soil	4-oz	-					X				48 hr TAT	
PHONE: 949 852 9050 FAX: 949 852 9011 SAMPLED BY: <i>Paul D-BT</i>																	
SAMPLE ID		NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.										
<i>Paul D-BT-05</i>		2	7/20/99	13:12	soil	4-oz	-	X	X	X	X						
<i>Paul D-BT-06</i>		1	7/20/99	13:18	soil	4-oz	-					X					
<i>Paul D-BT-5.0</i>		2	7/10/99	13:32	soil	4oz	-	X	X	X	X					<i>std. S day TAT</i>	
Total No. of Samples: 3		Method of Shipment: Delivery						Reporting Format: (check)									
Relinquished By: <i>[Signature]</i>	Date/Time: <i>7/10/99 15:51</i>	Received By:						Date/Time: <i>7/10/99 15:51</i>	NORMAL _____						S.D. HMM&D _____		
Relinquished By: <i>[Signature]</i>	Date/Time: <i>7/10/99 15:51</i>	Received By:						Date/Time: <i>7/10/99 15:51</i>	RWQCB _____						OTHER _____		
Relinquished By: <i>[Signature]</i>	Date/Time: <i>7/10/99 15:51</i>	Received For Lab By: <i>Replay Q9515M03</i>						Date/Time: <i>7/20/99 3:00pm</i>	Sample Integrity: (check) <i>intact</i>						on ice _____		

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.



INTEGRATED
ENVIRONMENTAL SERVICES, INC.

APPENDIX D

LABORATORY REPORTS FOR ARSENIC DELINEATION SAMPLING

PARCEL D

SITE INVESTIGATION AND EXCAVATION

BOEING REALTY CORPORATION

C-6 FACILITY

SEPTEMBER 1999

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Sample Description: Soil,

Laboratory Reference #: IES 10960

Client Project ID: Parcel D Confirmation
Client Project #:

Sampled: 06/18/99
Received: 06/18/99
Analyzed: 06/21/99
Reported: 06/21/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060251	B3C-25S-0.5	60
99060252	B3C-25E-0.5	17
99060253	B3C-25N-0.5	120
99060254	B3C-25W-0.5	100
99060255	B3C-10S-0.5	46
99060256	B3C-10W-0.5	27
99060257	B3C-10N-0.5	76
99060258	B3C-10E-0.5	33

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT .

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Omelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Sample Description: Soil,

Laboratory Reference #: IES 10960

Client Project ID: Parcel D Confirmation
Client Project #:

Sampled: 06/18/99
Received: 06/18/99
Analyzed: 06/21/99
Reported: 06/21/99

TOTAL CHROMIUM (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060251	B3C-25S-0.5	21
99060252	B3C-25E-0.5	18
99060253	B3C-25N-0.5	22
99060254	B3C-25W-0.5	21
99060255	B3C-10S-0.5	20
99060256	B3C-10W-0.5	22
99060257	B3C-10N-0.5	22
99060258	B3C-10E-0.5	22
<hr/>		
Detection Limit		0.5

Analyte reported as N.D. were not present above the stated limit of detection.

INTm.m.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 06/22/99
Received: 06/22/99
Analyzed: 06/23/99
Reported: 06/23/99

Laboratory Reference #: IES 10963

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060280	B3C-10N-1	39
99060281	B3C-10N-2	5.0
99060282	B3C-10N-5	4.0
99060283	B3C-10E-1	49
99060284	B3C-10E-2	5.0
99060285	B3C-10E-5	4.8
99060286	B3C-25E-1	42
99060287	B3C-25E-2	5.8
99060288	B3C-25E-5	4.8
99060289	B3C-35E-0.5	21
99060290	B3C-35E-1	29
99060291	B3C-50E-0.5	9.2
99060292	B3C-50E-1	110
99060293	B3C-50E-2	5.0
99060294	B3C-50E-5	5.4
99060295	B3C-25N-1	63
99060296	B3C-25N-2	4.3
99060297	B3C-25N-5	4.5
99060298	B3C-35N-0.5	26
99060299	B3C-35N-1	18
99060300	B3C-50N-0.5	840
99060301	B3C-50N-1	44
99060302	B3C-50N-2	5.1
99060303	B3C-50N-5	4.7

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT mm:

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10963

Sampled: 06/22/99
Received: 06/22/99
Analyzed: 06/23/99
Reported: 06/23/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060304	B3C-10S-1	40
99060305	B3C-10S-2	6.9
99060306	B3C-10S-5	5.2
99060307	B3C-10W-1	45
99060308	B3C-10W-2	12
99060309	B3C-10W-5	4.4
99060310	B3C-25S-1	110
99060311	B3C-25S-2	17
99060312	B3C-25S-5	5.3
99060313	B3C-35S-0.5	54
99060314	B3C-35S-1	80
99060315	B3C-50S-0.5	79
99060316	B3C-50S-1	10
99060317	B3C-50S-2	9.6
99060318	B3C-50S-5	5.2
99060319	B3C-25W-1	58
99060320	B3C-25W-2	6.3
99060321	B3C-25W-5	4.7
99060322	B3C-50W-0.5	76
99060323	B3C-50W-1	65
99060324	B3C-50W-2	3.6
99060325	B3C-50W-5	4.5
99060326	B3C-35W-0.5	61
99060327	B3C-35W-1	130

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT b.m.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10970

Sampled: 06/24/99
Received: 06/24/99
Analyzed: 06/25/99
Reported: 06/25/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060346	B3C-75N-0.5	58
99060347	B3C-75N-1	74
99060348	B3C-75N-2	11
99060349	B3C-35N-2	4.5
99060350	B3C-35N-3	4.4
99060351	B3C-75E-0.5	57
99060352	B3C-75E-1	110
99060353	B3C-75E-2	11
99060354	B3C-100W-0.5	36
99060355	B3C-100W-1	6.8
99060356	B3C-100W-2	4.2
99060357	B3C-100N-0.5	5.1
99060358	B3C-100N-1	4.0
99060359	B3C-100N-2	5.6
99060360	B3C-100S-0.5	150

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 06/24/99
Received: 06/24/99
Analyzed: 06/25/99
Reported: 06/25/99

Laboratory Reference #: IES 10970

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060361	B3C-100S-1	55
99060362	B3C-100S-2	14
99060363	B3C-75S-0.5	56
99060364	B3C-75S-1	65
99060365	B3C-75S-2	51
99060366	B3C-25SW-2	6.5
99060367	B3C-25SE-2	6.6
99060368	B3C-75W-0.5	41
99060369	B3C-75W-1	6.0
99060370	B3C-75W-2	5.2
99060371	B3C-100E-0.5	36
99060372	B3C-100E-1	5.0
99060373	B3C-100E-2	18
99060374	B3C-25S-3	3.2

Detection Limit	1.0
-----------------	-----

Analyte reported as N.D. were not present above the stated limit of detection.

INT m.w.

Orange Coast Analytical, Inc.

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10976

Sampled: 06/28/99
Received: 06/28/99
Analyzed: 06/29/99
Reported: 06/29/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060386	B3C-125W-0.5	64
99060387	B3C-125W-1	74
99060388	B3C-125W-2	5.4
99060389	B3C-150W-0.5	110
99060390	B3C-150W-1	85
99060391	B3C-150W-2	7.2
99060392	B3C-125S-0.5	30
99060393	B3C-125S-1	5.7
99060394	B3C-125S-2	4.6
99060395	B3C-150S-0.5	10
99060396	B3C-150S-1	5.3
99060397	B3C-150S-2	5.9
99060398	B3C-125E-0.5	6.9
99060399	B3C-125E-1	13
99060400	B3C-125E-2	4.5
99060401	B3C-150E-0.5	5.2
99060402	B3C-150E-1	4.4
99060403	B3C-150E-2	6.3
99060404	B3C-100E-3	5.1
99060405	B3C-75S-3	6.2

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation

Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10980

Sampled: 06/30/99
Received: 06/30/99
Analyzed: 07/01/99
Reported: 07/01/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060431	B3C-125NW-0.5	4.9
99060432	B3C-125NW-1	3.7
99060433	B3C-100NW-0.5	5.5
99060434	B3C-100NW-1	3.9
99060435	B3C-75NW-0.5	6.1
99060436	B3C-75NW-1	3.6
99060437	B3C-125SW-0.5	150
99060438	B3C-125SW-1	8.1
99060439	B3C-100SW-0.5	30
99060440	B3C-100SW-1	110
99060441	B3C-75SW-0.5	270
99060442	B3C-75SW-1	110
<hr/>		
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Sample Description: Soil,

Laboratory Reference #: IES 10980

Client Project ID: Parcel D Confirmation
Client Project #:

Sampled: 06/30/99
Received: 06/30/99
Analyzed: 07/01/99
Reported: 07/01/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99060443	B3C-200W-0.5	58
99060444	B3C-200W-1	25
99060445	B3C-200W-2	7.4
99060446	B3C-175W-0.5	220
99060447	B3C-175W-1	5.4
99060448	B3C-175W-2	4.0

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT m:n

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10989

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/06/99
Reported: 07/06/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070024	B3C-50N-A0.5	66
99070025	B3C-50N-B0.5	55
99070026	B3C-50N-C0.5	59
99070027	B3C-50N-D0.5	150
99070028	B3C-100S-A0.5	39
99070029	B3C-100S-B0.5	110
99070030	B3C-100S-C0.5	74
99070031	B3C-100S-D0.5	160
99070032	B3C-75SW-A0.5	57
99070033	B3C-75SW-B0.5	76
99070034	B3C-75SW-C0.5	120
99070035	B3C-75SW-D0.5	96
99070036	B3C-75SW-2	7.8
99070037	B3C-100SW-2	6.8
99070038	B3C-175W-A0.5	110
99070039	B3C-175W-B0.5	66
99070040	B3C-175W-C0.5	150
99070041	B3C-175W-D0.5	170

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10989

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/07/99
Reported: 07/07/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070042	B3C-125NE-0.5	200
99070043	B3C-125NE-1	240
99070044	B3C-100NE-0.5	66
99070045	B3C-100NE-1	96
99070046	B3C-75NE-0.5	260
99070047	B3C-75NE-1	210
99070048	B3C-125SE-0.5	46
99070049	B3C-125SE-1	23
99070050	B3C-100SE-0.5	110
99070051	B3C-100SE-1	260
99070052	B3C-75SE-0.5	34
99070053	B3C-75SE-1	360
99070054	B3C-150SW-0.5	120
99070055	B3C-150SW-1	37
99070056	B3C-175SW-0.5	15
99070057	B3C-175SW-1	5.3
99070058	B3C-200SW-0.5	68
99070059	B3C-200SW-1	5.0

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10989

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/07/99
Reported: 07/07/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070060	B3C-225W-0.5	56
99070061	B3C-225W-1	11
99070062	B3C-225W-2	6.3
99070063	B3C-250W-0.5	46
99070064	B3C-250W-1	7.3
99070065	B3C-250W-2	4.2

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT_m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services
Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10996

Sampled: 07/07/99
Received: 07/07/99
Analyzed: 07/08/99
Reported: 07/08/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070098	ParD-275W-0.5	4.8
99070099	ParD-275W-1	4.3
99070100	ParD-300W-0.5	3.8
99070101	ParD-300W-1	5.6
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT mn

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 11030

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/22/99

TOTAL ARSENIC (EPA 6010)

<i>LABORATORY</i>	<i>CLIENT</i>	<i>SAMPLE</i>
<i>SAMPLE</i>	<i>SAMPLE</i>	<i>RESULTS</i>
<i>NUMBER</i>	<i>NUMBER</i>	<i>mg/kg</i>
99070362	Par D-B7-2.0	12
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT min.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Conf
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11001

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/13/99
Reported: 07/13/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070124	B3C-175SE-0.5	62
99070125	B3C-175SE-1	21
99070126	B3C-175SE-2	6.1
99070127	B3C-150SE-0.5	4.9
99070128	B3C-150SE-1	5.9
99070129	B3C-150SE-2	5.1
99070130	B3C-125SE-2	4.8
99070131	B3C-125SE-3	5.3
99070132	B3C-100SE-2	4.8
99070133	B3C-100SE-3	4.2
99070134	B3C-75SE-2	6.4
99070135	B3C-75SE-3	4.3
99070136	B3C-125NE-2	4.7
99070137	B3C-100NE-2	9.7
99070138	B3C-75NE-2	8.2
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Conf
Client Project #:

Sample Description: Soil,

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/13/99
Reported: 07/13/99

Laboratory Reference #: IES 11001

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070139	B3C-150NE-0.5	36
99070140	B3C-150NE-1	200
99070141	B3C-150NE-2	83
99070142	B3C-150NE-3	5.6
99070143	B3C-200NE-0.5	5.6
99070144	B3C-200NE-1	14
99070145	B3C-200NE-2	4.2
99070146	B3C-150SW-2	6.2
99070147	B3C-150SW-3	4.6
99070148	B3C-225SW-0.5	46
99070149	B3C-225SW-1	6.2
99070150	B3C-225SW-2	6.0
99070151	B3C-250SW-0.5	27
99070152	B3C-250SW-1	6.4
99070153	B3C-250SW-2	5.6
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Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT m.m.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly PI. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D - C-6 Facility
Client Project #:

Sample Description: Soil,

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/21/99

Laboratory Reference #: IES 11028

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070350	B3C-175SSW-0.5	5.7
99070351	B3C-175SSW-1.0	5.3
99070352	B3C-175SSW-2.0	8.7
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 06/18/99
Received: 06/18/99
Analyzed: 06/25/99
Reported: 06/28/99

Laboratory Reference #: IES 10960A

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/l
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99060253	B3C-25N-0.5	N.D.
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Detection Limit:	1.0
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Analyte reported as N.D. was not present above the stated limit of detection.

INT_mn.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 06/18/99
Received: 06/18/99
Analyzed: 06/28/99
Reported: 06/28/99

Laboratory Reference #: IES 10960A

STLC ARSENIC (TITLE 22/ EPA 6010)

<i>LABORATORY SAMPLE NUMBER</i>	<i>CLIENT SAMPLE NUMBER</i>	<i>SAMPLE RESULTS mg/l</i>
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99060253	B3C-25N-0.5	3.4
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Detection Limit:	1.0
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Analyte reported as N.D. was not present above the stated limit of detection.

INT m:n

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 06/22/99
Received: 06/22/99
Analyzed: 06/28/99
Reported: 06/28/99

Laboratory Reference #: IES 10963

STLC ARSENIC (TITLE 22/ EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/l
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99060300	B3C-50N-0.5	21
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Detection Limit: 1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 06/22/99
Received: 06/22/99
Analyzed: 06/25/99
Reported: 06/28/99

Laboratory Reference #: IES 10963

TCLP ARSENIC (EPA 1311/ EPA 6010)

<i>LABORATORY SAMPLE NUMBER</i>	<i>CLIENT SAMPLE NUMBER</i>	<i>SAMPLE RESULTS mg/l</i>
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99060300	B3C-50N-0.5	2.6
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Detection Limit:	1.0
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Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.



ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10980A

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/13/99
Reported: 07/16/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070042	B3C-125NE-0.5	N.D.
99070043	B3C-125NE-1	1.5
99070046	B3C-75NE-0.5	1.2
99070047	B3C-75NE-1	1.3
99070050	B3C-100SE-0.5	N.D.
99070051	B3C-100SE-1	2.6
99070053	B3C-75SE-1	3.4
99070054	B3C-150SW-0.5	N.D.

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.



ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 07/02/99
Received: 07/02/99
Analyzed: 07/16/99
Reported: 07/16/99

Laboratory Reference #: IES 10989A

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070042	B3C-125NE-0.5	5.6
99070043	B3C-125NE-1	11
99070044	B3C-100NE-0.5	3.2
99070045	B3C-100NE-1	3.4
99070046	B3C-75NE-0.5	8.0
99070047	B3C-75NE-1	8.5
99070050	B3C-100SE-0.5	3.6
99070051	B3C-100SE-1	12
99070053	B3C-75SE-1	15
99070054	B3C-150SW-0.5	4.8
99070058	B3C-200SW-0.5	1.5

Detection Limit 1.0

Analyte reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10980Combo

Analyzed: 07/07/99
Reported: 07/08/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	Laboratory Reference	Date Sampled	Date Received	SAMPLE RESULTS mg/l
99060441	B3C-75SW-0.5	10980	06/30/99	06/30/99	2.4
99060446	B3C-175W-0.5	10980	06/30/99	06/30/99	1.7

Detection Limit:

1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT.....

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10980Combo

Analyzed: 07/07/99
Reported: 07/08/99

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	Laboratory Reference	Date Sampled	Date Received	SAMPLE RESULTS mg/l
99060254	B3C-25W-0.5	10960	06/18/99	06/18/99	3.2
99060292	B3C-50E-1	10963	06/22/99	06/22/99	4.9
99060310	B3C-25S-1	10963	06/22/99	06/22/99	3.9
99060327	B3C-35W-1	10963	06/22/99	06/22/99	3.9
99060352	B3C-75E-1	10970	06/24/99	06/24/99	7.5
99060360	B3C-100S-0.5	10970	06/24/99	06/24/99	4.8
99060389	B3C-150W-0.5	10976	06/28/99	06/28/99	3.7
99060437	B3C-125SW-0.5	10980	06/30/99	06/30/99	3.7
99060440	B3C-100SW-1	10980	06/30/99	06/30/99	3.5
99060441	B3C-75SW-0.5	10980	06/30/99	06/30/99	14
99060446	B3C-175W-0.5	10980	06/30/99	06/30/99	8.5

Detection Limit:

1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT_m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11001

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/16/99
Reported: 07/16/99

TCLP ARSENIC (EPA 1311 / 6010)

<i>LABORATORY SAMPLE NUMBER</i>	<i>CLIENT SAMPLE NUMBER</i>	<i>SAMPLE RESULTS mg/l</i>
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99070140	B3C-150E-1.0	N.D.
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Detection Limit:	1.0
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Analyte reported as N.D. was not present above the stated limit of detection.

INT m-n

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/16/99
Reported: 07/16/99

Laboratory Reference #: IES 11001

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/l
99070124	B3C-175SE-0.5	1.2
99070140	B3C-150NE-1.0	2.6
99070141	B3C-150NE-2.0	3.1

Detection Limit: 1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT m-a

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10989Combo

Analyzed: 07/13/99
Reported: 07/14/99

TCLP ARSENIC (EPA 1311 / 6010)

<i>LABORATORY SAMPLE NUMBER</i>	<i>CLIENT SAMPLE NUMBER</i>	<i>Laboratory Reference</i>	<i>Date Sampled</i>	<i>Date Received</i>	<i>SAMPLE RESULTS mg/l</i>
99060352	B3C-75E-1.0	10970	06/24/99	06/24/99	N.D.

Detection Limit: 1.0

Analyte reported as N.D. was not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,**Laboratory Reference #:** IES 10989Combo

Analyzed: 07/14/99
Reported: 07/14/99

STLC ARSENIC (TITLE 22 / EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	Laboratory Reference	Date Sampled	Date Received	SAMPLE RESULTS mg/l
99060251	B3C-25S-0.5	10960	06/18/99	06/18/99	2.1
99060257	B3C-10N-0.5	10960	06/18/99	06/18/99	2.8
99060295	B3C-25N-1.0	10963	06/22/99	06/22/99	2.1
99060313	B3C-35S-0.5	10963	06/22/99	06/22/99	2.1
99060314	B3C-35S-1.0	10963	06/22/99	06/22/99	2.6
99060315	B3C-50S-0.5	10963	06/22/99	06/22/99	2.6
99060319	B3C-25W-1.0	10963	06/22/99	06/22/99	2.4
99060322	B3C-50W-0.5	10963	06/22/99	06/22/99	3.1
99060323	B3C-50W-1.0	10963	06/22/99	06/22/99	2.9
99060326	B3C-35W-0.5	10963	06/22/99	06/22/99	2.2
99060346	B3C-75N-0.5	10970	06/24/99	06/24/99	2.2
99060347	B3C-75N-1.0	10970	06/24/99	06/24/99	3.0
99060351	B3C-75E-0.5	10970	06/24/99	06/24/99	1.8
99060361	B3C-100S-1.0	10970	06/24/99	06/24/99	2.7
99060363	B3C-75S-0.5	10970	06/24/99	06/24/99	1.5
99060364	B3C-75S-1.0	10970	06/24/99	06/24/99	2.3
99060365	B3C-75S-2.0	10970	06/24/99	06/24/99	1.6
99060386	B3C-125W-0.5	10976	06/28/99	06/28/99	1.9
99060387	B3C-125W-1.0	10976	06/28/99	06/28/99	2.7
99060390	B3C-150W-1.0	10976	06/28/99	06/28/99	2.8
99060443	B3C-200W-0.5	10980	06/30/99	06/30/99	2.1
99070007	ParDo-1-1	10985	07/01/99	07/01/99	2.7
99070029	B3C-100S-B0.5	10989	07/02/99	07/02/99	4.6
99070030	B3C-100S-C0.5	10989	07/02/99	07/02/99	2.0
99070031	B3C-100S-D0.5	10989	07/02/99	07/02/99	6.0
99070060	B3C-225W-0.5	10989	07/02/99	07/02/99	2.6

Detection Limit:

1.0

Analyte reported as N.D. was not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Omelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D Over ex
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 10985

Sampled: 07/01/99
Received: 07/01/99
Analyzed: 07/02/99
Reported: 07/02/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070006	Par Do-1-0.5	15
99070007	Par Do-1-1	70
99070008	Par Do-2-0.5	8.1
99070009	Par Do-2-1	11
99070010	Par Do-3-0.5	9.7
99070011	Par Do-3-1	19
99070012	Par Do-4-0.5	9.3
99070013	Par Do-4-1	8.4
99070014	Par Do-5-0.5	4.9
99070015	Par Do-5-1	14
99070016	Par Do-6-0.5	7.2
99070017	Par Do-6-1	40

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10960

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/21/99	99060258	0.66	10.0	11.0	11.1	103	104	1
Chromium (Total)	06/21/99	99060258	0.44	1.00	1.45	1.47	101	103	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10963

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/23/99	99060327	2.66	10.0	12.2	12.1	95	95	0

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m-n-

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10963

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/23/99	99060315	1.58	10.0	11.0	10.9	95	93	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10970

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/25/99	99060374	0.064	10.0	10.1	10.1	100	100	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.m.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10970

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/25/99	99060360	2.9	10.0	13.0	12.7	101	98	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10963

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/25/99	99030300	2.63	10.0	12.8	12.7	102	101	0

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10960A

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/25/99	99030300	2.63	10.0	12.8	12.7	102	101	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.m.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10963

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/28/99	99060253	3.4	10.0	12.1	11.9	87	85	2

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10960A

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/28/99	99060253	3.4	10.0	12.1	11.9	87	85	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10976

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/29/99	99060405	0.12	10.0	10.8	11.0	107	109	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10976

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	06/29/99	99060395	0.20	10.0	10.5	10.7	103	105	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10980

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/01/99	99060439	0.60	10.0	10.6	10.7	100	101	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10985

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/02/99	99070017	0.79	10.0	10.6	10.5	98	97	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.m.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/06/99	99070032	1.14	10.0	11.3	11.5	102	104	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m-n-

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/06/99	99070041	3.49	10.0	13.7	15.1	102	116	10

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/07/99	99070047	4.19	10.0	14.2	14.4	100	102	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/07/99	99070059	0.10	10.0	10.4	10.5	103	104	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10980Combo

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/07/99	99060441	2.4	10.0	12.3	12.4	99	100	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.w.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10980Combo

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/07/99	99060440	3.48	10.0	11.8	12.0	83	85	2

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Laboratory Reference No : IES 10980Combo

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Cyanide	07/07/99	99070023	0.00	0.50	0.52	0.48	104	96	8
Sulfide	07/08/99	99060300	0.0	5.0	4.6	4.2	92	84	9

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10996

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/08/99	A99070023	0.22	10.0	10.4	10.4	102	102	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$



ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989A

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/13/99	99070053	3.36	10.0	13.3	13.3	99	99	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.n.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989Combo

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/13/99	99070053	3.36	10.0	13.3	13.3	99	99	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11001

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/13/99	99070138	0.16	10.0	10.3	10.4	101	102	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.w.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11001

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/13/99	99070153	0.11	10.0	10.3	10.1	102	100	2

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989Combo

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/14/99	OCA 200	0.00	10.0	9.1	9.3	91	93	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989Combo

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/14/99	OCA 200	0.00	10.0	9.2	9.2	92	92	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.w.

Orange Coast Analytical, Inc.



ORANGE COAST ANALYTICAL, INC.

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QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 10989A

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/16/99	99070058	1.50	10.0	10.0	10.1	85	86	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int mm:

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11001

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/16/99	99070140	0.00	10.0	10.3	10.3	103	103	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.n.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11001

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/16/99	99070058	1.5	10.0	10.0	10.1	85	86	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.n.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11028

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/21/99	99070361	0.14	10.0	9.9	10.2	98	101	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

ANALYSIS REQUEST AND CUSTODY RECORD



3002 Dow, Suite 532
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ORANGE COAST ANALYTICAL, INC.

REQUERED TAT: 24-hr TAT

Lab Job No: 1
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS METHOD						REMARKS/PRECAUTIONS						
COMPANY:	Boeing	PROJECT NAME:	PC(CE) D Confirmation					Method of Analysis (602)					Fax results							
SEND REPORT TO:	Anderson Cheng	NUMBER:																		
ADDRESS:		LOCATION:																		
ADDRESS:		ADDRESS:																		
PHONE:	(949) 852-9050	FAX:	(949) 852-9011	SAMPLED BY:	Anderson Cheng															
				No. of containers	Sample Date	Sample Time	Sample Matrix	Container Type	Pres.											
B3C-25S-0.5		1	6/18/99	0950	Soil	4-07														
B3C-25E-0.5				1005																
B3C-25N-0.5				1034																
B3C-25W-0.5				1045																
B3C-10S-0.5				1143																
B3C-10W-0.5				1150																
B3C-10N-0.5				1156																
B3C-10E-0.5				1202																
Total No. of Samples:	8	Method of Shipment: Delivery						Reporting Format: (check)												
Relinquished By:	Anderson Cheng	Date/Time:	6/18/99: 3:49 p.m.	Received By:						Date/Time:	NORMAL	S.D. HMMD								
Relinquished By:		Date/Time:		Received By:						Date/Time:	RWQCB	OTHER								
Relinquished By:		Date/Time:		Received For Lab By:						Date/Time:	Sample Integrity: (check) intact _____ on ice _____									

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to return samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

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Lab Job No:

Page _____ of _____

REQUIRED TAT: 24 hrs

COMPANY: <u>Southern Occidental</u>	PROJECT NAME: <u>Southern Occidental</u>
SEND REPORT TO: <u>Southern Occidental</u>	NUMBER: <u>2000</u>
ADDRESS:	LOCATION:
ADDRESS:	ADDRESS:

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS REQUEST					
COMPANY: <u>Southern Occidental</u>	PROJECT NAME: <u>Southern Occidental</u>	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	ANALYSIS REQUEST	TESTS	TESTS	TESTS		
PHONE: <u>(714) 832-0064 FAX: (714) 832-0067</u>	EMAIL: <u>SOCSO@SOCSO.COM</u>	SAMPLE ID: <u>83C-10N-1</u>	SAMPLED BY: <u>SOCSO</u>	0-2399071405	5:11	402	X	ANALYSIS REQUESTED	6010	6010	6010		
		83C-10N-2		0757									
		83C-10E-5		0808									
		83C-10E-1		0811									
		83C-10E-3		0825									
		83C-10E-5		0805									
		83C-25E-1		0851									
		83C-25E-2		0855									
		83C-25E-5		0910									
		83C-25E-0.5		0920									
		83C-35E-1		0927									
		83C-50E-0.5		0931									
		83C-50E-		0939									
		83C-50E-2		0941									
Total No. of Samples: <u>111</u>								Method of Shipment: <u>UPS</u>	<u>UPS</u>	<u>UPS</u>	<u>UPS</u>		
Relinquished By: <u>Self</u>	Date/Time: <u>10/22/09 13:36</u>	Received By: <u></u>	Date/Time: <u></u>	Reporting Format: (check)	NORMAL <input type="checkbox"/>	S.D. HMMD <input type="checkbox"/>							
Relinquished By: <u>Self</u>	Date/Time: <u>10/22/09 13:36</u>	Received By: <u></u>	Date/Time: <u></u>	RWQCB <input type="checkbox"/>	OTHER <input type="checkbox"/>								
Relinquished By: <u>Self</u>	Date/Time: <u>10/22/09 13:36</u>	Received For Lab By: <u>Jeffrey G. Johnson</u>	Date/Time: <u>10/22/09 13:36</u>	Sample Integrity: (check)	intact <input type="checkbox"/>	on ice <input type="checkbox"/>							

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pick up samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.
 3002 Dow, Suite 532 4620 E. Elwood, Suite 4
 Tustin, CA 92780 Phoenix, AZ 85040
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Lab Job No.: 125
 Page 1 of 1

REQUIRED FAX: 24-hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS METHOD		REMARKS/PRECAUTIONS	
COMPANY: <u>Boeing Co Test</u>	PROJECT NAME: <u>Ballard Conf. Room</u>	NUMBER: <u>10000</u>	SAMPLE DATE: <u>6/24/99</u>	SAMPLE TIME: <u>1000</u>	SAMPLE MATRIX: <u>Soil</u>	CONTAINER TYPE: <u>4-oz</u>	PRES.: <u>X</u>	<u>Allergic (6/21/01)</u>		Fax results	
SEND REPORT TO: <u>John Ornelas</u>	LOCATION: <u></u>	ADDRESS: <u></u>									
PHONE: <u>(49)852-9050</u>	FAX: <u>(949)852-9011</u>	SAMPLED BY: <u>Teff Loving</u>									
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.					
B3C-75N-0.5	1	6/24/99	1000	Soil	4-oz	X					
B3C-75N-1	1	1008									
B3C-75N-2	1	1018									
B3C-35N-2	1	1040									
B3C-35N-3	1	1044									
B3C-75E-0.5	1	108									
B3C-75E-1	1	112									
B3C-75E-2	1	114									
B3C-(100W)-0.5	1	1125									
B3C-(100W)-1	1	1128									
B3C-(100W)-2	1	1132									
B3C-(100N)-0.5	1	1150									
B3C-(100N)-1	1	1204									
B3C-(100N)-2	1	1207									
Total No. of Samples:	Method of Shipment:										
Relinquished By: <u>Teff Loving</u>	Date/Time: <u>6/24/99</u>	Received By: <u></u>	Date/Time: <u></u>	Reporting Format: (check)							
Relinquished By: <u></u>	Date/Time: <u></u>	Received By: <u></u>	Date/Time: <u></u>	NORMAL	S.D. HMMD						
Relinquished By: <u></u>	Date/Time: <u></u>	Received For Lab By: <u>Mark Monroe</u>	Date/Time: <u>6/24/99 14:40</u>	RWQCB	OTHER						
Relinquished By: <u></u>	Date/Time: <u></u>	Sample Integrity: (check)		intact	on ice						

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to return samples.

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Analysis Request and Chain of Custody Record

Lab Job No.: 2-2
Page 2 of 2

REQUIRED TAT: 24 hrs

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS/METHOD
COMPANY: <u>2008-0005</u>	PROJECT NAME: <u>2008-0005</u>	NUMBER:	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	
SEND REPORT TO:	LOCATION:							
ADDRESS:	ADDRESS:							
PHONE: <u>(855) 000-0000</u>	FAX: <u>(855) 000-0000</u>	SAMPLED BY: <u>SO</u>						
SAMPLE ID	NO. OF CONTAINERS							
<u>Q3C-1005-0.5</u>	<u>1</u>	<u>2020-09-01</u>	<u>1017</u>	<u>500</u>	<u>400</u>	<u>X</u>		
<u>Q3C-1005-1</u>	<u>1</u>	<u>2020-09-01</u>	<u>1021</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-3</u>	<u>1</u>	<u>2020-09-01</u>	<u>1022</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-0.5</u>	<u>1</u>	<u>2020-09-01</u>	<u>1020</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-1</u>	<u>1</u>	<u>2020-09-01</u>	<u>1033</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-3</u>	<u>1</u>	<u>2020-09-01</u>	<u>1035</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-3</u>	<u>1</u>	<u>2020-09-01</u>	<u>1044</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-3</u>	<u>1</u>	<u>2020-09-01</u>	<u>1044</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-0.5</u>	<u>1</u>	<u>2020-09-01</u>	<u>1053</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-3</u>	<u>1</u>	<u>2020-09-01</u>	<u>1057</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-0.5</u>	<u>1</u>	<u>2020-09-01</u>	<u>1118</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-1</u>	<u>1</u>	<u>2020-09-01</u>	<u>1121</u>	<u>500</u>	<u>400</u>			
<u>Q3C-1005-3</u>	<u>1</u>	<u>2020-09-01</u>	<u>1126</u>	<u>500</u>	<u>400</u>			
Method of Shipment:								
Relinquished By: <u>SO</u>	Date/Time: <u>10/09/00</u>	Received By:	Date/Time:	Reporting Format: (check)				
Relinquished By: <u>SO</u>	Date/Time:	Received By:	Date/Time:	NORMAL	S.D. HMMD	RWQCB	OTHER	
Relinquished By:	Date/Time:	Received For Lab By: <u>Mark Morris</u>	Date/Time: <u>6/24/00 14:40</u>	Sample Integrity: (check)				
				intact	on ice			
All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.								

Analysis Request and Custody Record



ORANGE COAST ANALYTICAL, INC.

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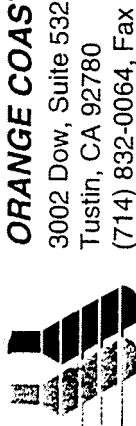
Lab Job No: 2000
Page 1 of 1

REQUERED TAT: 48 HRS

CUSTOMER INFORMATION		PROJECT INFORMATION					
COMPANY: <u>Soil Samples</u>	PROJECT NAME: <u>Soil Samples</u>	NUMBER: <u>10355</u>	LOCATION: <u>Soil Samples</u>	ADDRESS: <u>Soil Samples</u>	ANALYSIS REQUEST METHOD <u>SSTLC</u>		
PHONE: <u>714-832-0064</u>	FAX: <u>714-832-0067</u>	SAMPLED BY: <u>John A Holmes</u>					
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	REMARKS/PRECAUTIONS
035-150E-2	1	6-28-09	1019	soil			
035-150E-05	1	6-28-09	1022	soil			
035-150E-1	1	6-28-09	1023	soil			
035-150E-2	1	6-28-09	1025	soil			
035-150E-3	1	6-28-09	1026	soil			
035-150E-4	1	6-28-09	1027	soil			
Total No. of Samples: <u>5</u>	Method of Shipment:						
Relinquished By: <u>John A Holmes</u>	Date/Time: <u>6-28-09 13:10</u>	Received By: <u>John A Holmes</u>	Date/Time: <u>6-28-09 13:10</u>	Reporting Format: (check)			
Relinquished By: <u>John A Holmes</u>	Date/Time: <u>6-28-09 13:10</u>	Received By: <u>John A Holmes</u>	Date/Time: <u>6-28-09 13:10</u>	NORMAL <input type="checkbox"/>	S.D. HMMD <input type="checkbox"/>	RWQCB <input type="checkbox"/>	OTHER <input type="checkbox"/>
Relinquished By: <u>John A Holmes</u>	Date/Time: <u>6-28-09 13:10</u>	Received For Lab By: <u>John A Holmes</u>	Date/Time: <u>6-28-09 13:10</u>	Sample Integrity: (check) intact <input type="checkbox"/> on ice <input type="checkbox"/>			

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

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Analysis Request and Chain of Custody Record

Lab Job No:	of
Page:	
REQUIRED TAT: <u>24 hrs</u> <u>48 hrs</u> <u>72 hrs</u>	

CUSTOMER INFORMATION		PROJECT INFORMATION						REMARKS/PRECAUTIONS				
COMPANY: <u>Sample Co Inc</u>	SEND REPORT TO: <u>Sample Co Inc</u>	PROJECT NAME: <u>Sample Co Inc</u>	NUMBER: <u>103855</u>	LOCATION: <u></u>	ADDRESS: <u></u>	SAMPLED BY: <u>Sample Co Inc</u>	NO. OF CONTAINERS		SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE
<i>ANALYSIS REQUEST</i> <i>Spec. is to be analyzed by GC/MS</i>												
SAMPLE ID												
Q3C-100533-0.5	1	10/06/00	10:25:50	10/06/00	10:25:50							
Q3C-100533-0.5	1	10/06/00	10:25:55	10/06/00	10:25:55							
Q3C-100533-0.5	1	10/06/00	10:26:00	10/06/00	10:26:00							
Q3C-100533-0.5	1	10/06/00	10:26:05	10/06/00	10:26:05							
Q3C-100533-0.5	1	10/06/00	10:26:10	10/06/00	10:26:10							
Q3C-100533-0.5	1	10/06/00	10:26:15	10/06/00	10:26:15							
Q3C-100533-0.5	1	10/06/00	10:26:20	10/06/00	10:26:20							
Q3C-100533-0.5	1	10/06/00	10:26:25	10/06/00	10:26:25							
Q3C-100533-0.5	1	10/06/00	10:26:30	10/06/00	10:26:30							
Q3C-100533-0.5	1	10/06/00	10:26:35	10/06/00	10:26:35							
Q3C-100533-0.5	1	10/06/00	10:26:40	10/06/00	10:26:40							
Q3C-100533-0.5	1	10/06/00	10:26:45	10/06/00	10:26:45							
Q3C-100533-0.5	1	10/06/00	10:26:50	10/06/00	10:26:50							
Q3C-100533-0.5	1	10/06/00	10:26:55	10/06/00	10:26:55							
Q3C-100533-0.5	1	10/06/00	10:27:00	10/06/00	10:27:00							
Q3C-100533-0.5	1	10/06/00	10:27:05	10/06/00	10:27:05							
Q3C-100533-0.5	1	10/06/00	10:27:10	10/06/00	10:27:10							
Q3C-100533-0.5	1	10/06/00	10:27:15	10/06/00	10:27:15							
Q3C-100533-0.5	1	10/06/00	10:27:20	10/06/00	10:27:20							
Q3C-100533-0.5	1	10/06/00	10:27:25	10/06/00	10:27:25							
Q3C-100533-0.5	1	10/06/00	10:27:30	10/06/00	10:27:30							
Q3C-100533-0.5	1	10/06/00	10:27:35	10/06/00	10:27:35							
Q3C-100533-0.5	1	10/06/00	10:27:40	10/06/00	10:27:40							
Q3C-100533-0.5	1	10/06/00	10:27:45	10/06/00	10:27:45							
Q3C-100533-0.5	1	10/06/00	10:27:50	10/06/00	10:27:50							
Q3C-100533-0.5	1	10/06/00	10:27:55	10/06/00	10:27:55							
Q3C-100533-0.5	1	10/06/00	10:28:00	10/06/00	10:28:00							
Q3C-100533-0.5	1	10/06/00	10:28:05	10/06/00	10:28:05							
Q3C-100533-0.5	1	10/06/00	10:28:10	10/06/00	10:28:10							
Q3C-100533-0.5	1	10/06/00	10:28:15	10/06/00	10:28:15							
Q3C-100533-0.5	1	10/06/00	10:28:20	10/06/00	10:28:20							
Q3C-100533-0.5	1	10/06/00	10:28:25	10/06/00	10:28:25							
Q3C-100533-0.5	1	10/06/00	10:28:30	10/06/00	10:28:30							
Q3C-100533-0.5	1	10/06/00	10:28:35	10/06/00	10:28:35							
Q3C-100533-0.5	1	10/06/00	10:28:40	10/06/00	10:28:40							
Q3C-100533-0.5	1	10/06/00	10:28:45	10/06/00	10:28:45							
Q3C-100533-0.5	1	10/06/00	10:28:50	10/06/00	10:28:50							
Q3C-100533-0.5	1	10/06/00	10:28:55	10/06/00	10:28:55							
Q3C-100533-0.5	1	10/06/00	10:29:00	10/06/00	10:29:00							
Q3C-100533-0.5	1	10/06/00	10:29:05	10/06/00	10:29:05							
Q3C-100533-0.5	1	10/06/00	10:29:10	10/06/00	10:29:10							
Q3C-100533-0.5	1	10/06/00	10:29:15	10/06/00	10:29:15							
Q3C-100533-0.5	1	10/06/00	10:29:20	10/06/00	10:29:20							
Q3C-100533-0.5	1	10/06/00	10:29:25	10/06/00	10:29:25							
Q3C-100533-0.5	1	10/06/00	10:29:30	10/06/00	10:29:30							
Q3C-100533-0.5	1	10/06/00	10:29:35	10/06/00	10:29:35							
Q3C-100533-0.5	1	10/06/00	10:29:40	10/06/00	10:29:40							
Q3C-100533-0.5	1	10/06/00	10:29:45	10/06/00	10:29:45							
Q3C-100533-0.5	1	10/06/00	10:29:50	10/06/00	10:29:50							
Q3C-100533-0.5	1	10/06/00	10:29:55	10/06/00	10:29:55							
Q3C-100533-0.5	1	10/06/00	10:30:00	10/06/00	10:30:00							
Q3C-100533-0.5	1	10/06/00	10:30:05	10/06/00	10:30:05							
Q3C-100533-0.5	1	10/06/00	10:30:10	10/06/00	10:30:10							
Q3C-100533-0.5	1	10/06/00	10:30:15	10/06/00	10:30:15							
Q3C-100533-0.5	1	10/06/00	10:30:20	10/06/00	10:30:20							
Q3C-100533-0.5	1	10/06/00	10:30:25	10/06/00	10:30:25							
Q3C-100533-0.5	1	10/06/00	10:30:30	10/06/00	10:30:30							
Q3C-100533-0.5	1	10/06/00	10:30:35	10/06/00	10:30:35							
Q3C-100533-0.5	1	10/06/00	10:30:40	10/06/00	10:30:40							
Q3C-100533-0.5	1	10/06/00	10:30:45	10/06/00	10:30:45							
Q3C-100533-0.5	1	10/06/00	10:30:50	10/06/00	10:30:50							
Q3C-100533-0.5	1	10/06/00	10:30:55	10/06/00	10:30:55							
Q3C-100533-0.5	1	10/06/00	10:31:00	10/06/00	10:31:00							
Q3C-100533-0.5	1	10/06/00	10:31:05	10/06/00	10:31:05							
Q3C-100533-0.5	1	10/06/00	10:31:10	10/06/00	10:31:10							
Q3C-100533-0.5	1	10/06/00	10:31:15	10/06/00	10:31:15							
Q3C-100533-0.5	1	10/06/00	10:31:20	10/06/00	10:31:20							
Q3C-100533-0.5	1	10/06/00	10:31:25	10/06/00	10:31:25							
Q3C-100533-0.5	1	10/06/00	10:31:30	10/06/00	10:31:30							
Q3C-100533-0.5	1	10/06/00	10:31:35	10/06/00	10:31:35							
Q3C-100533-0.5	1	10/06/00	10:31:40	10/06/00	10:31:40							
Q3C-100533-0.5	1	10/06/00	10:31:45	10/06/00	10:31:45							
Q3C-100533-0.5	1	10/06/00	10:31:50	10/06/00	10:31:50							
Q3C-100533-0.5	1	10/06/00	10:31:55	10/06/00	10:31:55							
Q3C-100533-0.5	1	10/06/00	10:32:00	10/06/00	10:32:00							
Q3C-100533-0.5	1	10/06/00	10:32:05	10/06/00	10:32:05							
Q3C-100533-0.5	1	10/06/00	10:32:10	10/06/00	10:32:10							
Q3C-100533-0.5	1	10/06/00	10:32:15	10/06/00	10:32:15							
Q3C-100533-0.5	1	10/06/00	10:32:20	10/06/00	10:32:20							
Q3C-100533-0.5	1	10/06/00	10:32:25	10/06/00	10:32:25							
Q3C-100533-0.5	1	10/06/00	10:32:30	10/06/00	10:32:30							
Q3C-100533-0.5	1	10/06/00	10:32:35	10/06/00	10:32:35							
Q3C-100533-0.5	1	10/06/00	10:32:40	10/06/00	10:32:40							
Q3C-100533-0.5	1	10/06/00	10:32:45	10/06/00	10:32:45							
Q3C-100533-0.5	1	10/06/00	10:32:50	10/06/00	10:32:50							
Q3C-100533-0.5	1	10/06/00	10:32:55	10/06/00	10:32:55							
Q3C-100533-0.5	1	10/06/00	10:33:00	10/06/00	10:33:00							
Total No. of Samples:	115	Received By:	<u>John A. Holmes</u>	Date/Time:		Reporting Format:	(check)					
Relinquished By:	<u>John A. Holmes</u>	Received By:		Date/Time:		NORMAL	<input checked="" type="checkbox"/>					
Relinquished By:	<u>John A. Holmes</u>	Received By:		Date/Time:		S.D. HMMD	<input checked="" type="checkbox"/>					
Relinquished By:	<u>John A. Holmes</u>	Received By:		Date/Time:		RWQCB	<input checked="" type="checkbox"/>					
Relinquished By:	<u>John A. Holmes</u>	Received For Lab By:	<u>John A. Holmes</u>	Date/Time:		OTHER	<input checked="" type="checkbox"/>					
Relinquished By:	<u>John A. Holmes</u>	Received For Lab By:	<u>John A. Holmes</u>	Date/Time:		Sample Integrity:	(check)					
Relinquished By:	<u>John A. Holmes</u>	Received For Lab By:	<u>John A. Holmes</u>	Date/Time:		intact	<input checked="" type="checkbox"/>					
Relinquished By:	<u>John A. Holmes</u>	Received For Lab By:	<u>John A. Holmes</u>	Date/Time:		on ice	<input checked="" type="checkbox"/>					

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to return samples.

ORANGE COAST ANALYTICAL, INC.

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(602) 736-0960 Fax (602) 736-0970

Analysis Request and Chain of Custody Record

Lab Job No. _____
Page _____ of _____

REQUERED TAT: 8, 12, 24 hours

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS/METHOD		REMARKS/PRECAUTIONS	
COMPANY <u>Orange Coast Analytical</u>	PROJECT NUMBER: <u>OC-000000000000</u>	LOCATION:	SAMPLE DATE:	SAMPLE TIME:	SAMPLE MATRIX:	CONTAINER TYPE:	PRES.				
ADDRESS: <u>1000 N. University Ave., Ste. 100, Tustin, CA 92780</u>	ADDRESS:										
PHONE: <u>(714) 832-0064, Fax (714) 832-0067</u>	PHONE: <u>(602) 736-0960, Fax (602) 736-0970</u>	SAMPLED BY: <u>OC</u>									
SAMPLE ID	NO. OF CONTAINERS										
Q35C-A-0.5	1	1/20/00	0554	AM	1000	CND	0.0%	X			
Q35C-B-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-C-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-D-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-E-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-F-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-G-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-H-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-I-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-J-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-K-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-L-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-M-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-N-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-O-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-P-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-Q-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-R-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-S-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-T-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-U-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-V-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-W-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-X-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-Y-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Q35C-Z-0.5	1	1/20/00	0554	AM	0000	CND	0.0%				
Total No. of Samples: <u>11</u>											
Method of Shipment:											
Relinquished By: <u>John Monani</u>	Date/Time: <u>1/20/00</u>	Received By: <u>John Monani</u>	Date/Time: <u>1/20/00</u>	Reporting Format: (check)	NORMAL <input type="checkbox"/>	S.D. HMMD <input type="checkbox"/>					
Relinquished By: <u>John Monani</u>	Date/Time: <u>1/20/00</u>	Received By: <u>John Monani</u>	Date/Time: <u>1/20/00</u>	RWQCB <input type="checkbox"/>	OTHER <input type="checkbox"/>						
Relinquished By: <u>John Monani</u>	Date/Time: <u>1/20/00</u>	Received For Lab By: <u>John Monani</u>	Date/Time: <u>1/20/00</u>	Sample Integrity: (check)	intact <input type="checkbox"/> on ice <input type="checkbox"/>						

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

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Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No:
Page _____ of 3

REQUIRED TAT: 24hr

CUSTOMER INFORMATION		PROJECT INFORMATION					
COMPANY: <u>Boeing Co Test</u>	PROJECT NAME: <u>Parcel D. Cont</u>	NUMBER:	SAMPLE DATE:	SAMPLE TIME:	SAMPLE MATRIX:	CONTAINER TYPE:	PRES.
SEND REPORT TO: <u>Tech Services</u>	ADDRESS:	LOCATION:					
PHONE:	FAX:	SAMPLED BY: <u>Anderson Cheng</u>	REMARKS/PRECAUTIONS				
SAMPLE ID	NO. OF CONTAINERS						
B3C-175SE-0.5	(7/1/99	0949	soil	4-07		
B3C-175SE-1			0952				
B3C-175SE-2			0956				
B3C-150SE-0.5			1004				
B3C-150SE-1			1006				
B3C-150SE-2			1009				
B3C-125SE-0			1017				
B3C-125SE-3			1025				
B3C-100SE-2			1030				
B3C-100SE-3			1036				
B3C-75SE-2			1045	✓			
B3C-75SE-3			1048				
<u>ANALYSIS REQUEST</u> (6010) <u>COLLECTOR</u> (6010)							
Total No. of Samples: <u>12</u>				Method of Shipment:			
Relinquished By: <u>Anderson Cheng</u>	Date/Time: <u>7/12/99 3:30pm</u>	Received By:	Date/Time:	Reporting Format: (check)			
Relinquished By: <u>Anderson Cheng</u>	Date/Time: <u>7/12/99 3:30pm</u>	Received By:	Date/Time:	NORMAL	<input type="checkbox"/>	S.D. HMMD	<input type="checkbox"/>
Relinquished By: <u>Anderson Cheng</u>	Date/Time: <u>7/12/99 3:30pm</u>	Received For Lab By: <u>Anderson Cheng</u>	Date/Time: <u>7/12/99 3:30pm</u>	RWQCB	<input type="checkbox"/>	OTHER	<input type="checkbox"/>
Relinquished By:	Date/Time:	Sample Integrity: <input checked="" type="checkbox"/>	intact <input checked="" type="checkbox"/>	on ice <input type="checkbox"/>			

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Analysis Request and Return of Custody Record



ORANGE COAST ANALYTICAL, INC.
 3002 Dow, Suite 532
 Tustin, CA 92780
 (714) 832-0064, Fax (714) 832-0067

Lab Job No: 3
 Page 3 of 3
 REQUIRED TAT: 24-hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS METHOD		RELEASER		REMARKS/PRECAUTIONS	
COMPANY: <u>Soil Tech C/L TEST</u>	SEND REPORT TO: <u>Orange Organics</u>	PROJECT NAME: <u>Dalcel D Conf.</u>	NUMBER:	LOCATION:	ADDRESS:								
PHONE:	FAX:	SAMPLED BY: <u>Anderson Chung</u>											
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.							
<u>B3C-150SW-2</u>	<u>1</u>	<u>7/12/99</u>	<u>1350</u>	<u>soil</u>	<u>41-07</u>	X							
<u>B3C-150SW-3</u>	<u>1</u>	<u>7/12/99</u>	<u>1354</u>	<u>soil</u>	<u>41-07</u>								
<u>B3C-225SW-0.5</u>	<u>1</u>	<u>7/12/99</u>	<u>1400</u>	<u>soil</u>	<u>41-07</u>								
<u>B3C-225SW-1</u>	<u>1</u>	<u>7/12/99</u>	<u>1403</u>	<u>soil</u>	<u>41-07</u>								
<u>B3C-225SW-2</u>	<u>1</u>	<u>7/12/99</u>	<u>1405</u>	<u>soil</u>	<u>41-07</u>								
<u>B3C-250SW-0.5</u>	<u>1</u>	<u>7/12/99</u>	<u>1410</u>	<u>soil</u>	<u>41-07</u>								
<u>B3C-250SW-1</u>	<u>1</u>	<u>7/12/99</u>	<u>1414</u>	<u>soil</u>	<u>41-07</u>								
<u>B3C-250SW-2</u>	<u>1</u>	<u>7/12/99</u>	<u>1419</u>	<u>soil</u>	<u>41-07</u>								
Total No. of Samples: <u>8</u>	Method of Shipment:												
Relinquished By: <u>Anderson Chung</u>	Date/Time: <u>7/12/99 3:30pm</u>	Received By:	Date/Time:	Reporting Format: (check)									
Relinquished By:	Date/Time:	Received By:	Date/Time:	NORMAL <input type="checkbox"/> S.D. HMMD <input type="checkbox"/>									
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time: <u>7/12/99 3:30</u>	RWQCB <input type="checkbox"/> OTHER <input type="checkbox"/>									
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time: <u>7/12/99 3:30</u>	Sample Integrity: (check) intact <input type="checkbox"/> on ice <input type="checkbox"/>									

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.



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(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page _____ of _____

24 hr. TAT

REQUIRED TAT:

CUSTOMER INFORMATION		PROJECT INFORMATION						REMARKS/PRECAUTIONS																																																													
COMPANY: <u>Poole</u> C/o <u>ESI</u>		PROJECT NAME: <u>Paul D - Cole Faulds</u>																																																																			
SEND REPORT TO: <u>John Daniels</u>		NUMBER: <u>8</u>																																																																			
ADDRESS: <u>3400 W Webster Rd</u>		LOCATION: <u>Los Angeles, CA</u>																																																																			
ADDRESS: <u>Newport Beach, CA</u>		ADDRESS: <u></u>																																																																			
PHONE: <u>(714) 832-0064</u> FAX: <u>(714) 832-9011</u>		SAMPLED BY: <u>CJH</u>						Tat Results																																																													
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.																																																															
B2C-1755SW-0.5	1	7/20/04	1335	Soil	4.02	X	Tat Results																																																														
B2C-1755SW-1.0	1	7/20/04	1340	Soil	4.02	X																																																															
B2C-1755SW-2.0	1	7/20/04	1345	Soil	4.02	X	Tat Results																																																														
Total No. of Samples: <u>3</u>		Method of Shipment: <u>Freight</u>																																																																			
Relinquished By: <u>John Daniels</u>		Received By: <u>John Daniels</u>						Reporting Format: (check)																																																													
Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>																																																																			
Relinquished By: <u>John Daniels</u>		Received By: <u>John Daniels</u>						Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>						NORMAL _____ S.D. HMMMD _____		Relinquished By: <u>John Daniels</u>		Received By: <u>John Daniels</u>						Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>						RWQCB _____ OTHER _____		Relinquished By: <u>John Daniels</u>		Received For Lab By: <u>John Daniels</u>						Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>						Sample Integrity: (check)		Relinquished By: <u>John Daniels</u>		Received For Lab By: <u>John Daniels</u>						Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>					
Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>						NORMAL _____ S.D. HMMMD _____																																																													
Relinquished By: <u>John Daniels</u>		Received By: <u>John Daniels</u>																																																																			
Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>						RWQCB _____ OTHER _____																																																													
Relinquished By: <u>John Daniels</u>		Received For Lab By: <u>John Daniels</u>																																																																			
Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>						Sample Integrity: (check)																																																													
Relinquished By: <u>John Daniels</u>		Received For Lab By: <u>John Daniels</u>																																																																			
Date/Time: <u>7/20/04 1500</u>		Date/Time: <u>7/20/04 1500</u>																																																																			

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

REPORTS FOR ARSENIC EXCAVATION SAMPLING

EXCAVATION

AT

ARSENIC

Comments

Further lateral delineation

Further vertical delineation

Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.

Further vertical delineation

Top 1.5 feet soil will be removed. Addit. lateral delineation req'd.

Addit. 1.0 ft excavated 7/20/99; Addit. lateral delineation req'd

Addit. 2.0 ft excavated 7/22/99

Addit. 1.5 ft excavated 7/26/99; Overall excavation area 14' by 12' by 1.5'; top 1.5 ft to be removed.

Addit. lateral delineation req'd.

Addit. 0.5 ft excavated 7/20/99; Addit. lateral delineation req'd

Addit. 2 ft excavated 7/22/99

Addit. 1.5 ft excavated 7/26/99; Overall excavation area 14' by 12' by 1.5'; top 1.5 ft to be removed.

Addit. lateral delineation req'd.

Addit. 1.0 ft excavated 7/20/99; Addit. lateral delineation req'd

Addit. 2.0 ft excavated 7/22/99

No further vertical delineation



TABLE E-1
(CONTINUED)

Date	Time		Sample No.	Arsenic (mg/kg)	Location	Comments
7/16/99	1030	Pit 4	Par D-C125NE-1	8.9	north wall	Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.
7/16/99	1030		Par D-C125NE-2	16	east wall	
7/16/99	1030		Par D-C125NE-3	67	south wall	
7/16/99	1035		Par D-C125NE-4	31	west wall	
7/16/99	1035		Par D-C125NE-5	8.4	bottom	
7/16/99	1045	Pit 5	Par D-C150NE-1	20	north wall	Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.
7/16/99	1045		Par D-C150NE-2	19	east wall	
7/16/99	1045		Par D-C150NE-3	110	south wall	Addit. lateral delineation req'd.
7/20/99	855		Par D-C150NE-3A	59	south wall	Addit. 0.5 ft excavated 7/20/99; no further lateral delineation, top 1.5 feet to be removed.
7/16/99	1050		Par D-C150NE-4	42	west wall	See north and east wall comment
7/16/99	1050		Par D-C150NE-5	11	bottom	No further vertical delineation
7/16/99	1335	Pit 6	Par D-C-75E-1	180	north wall	Addit. lateral delineation req'd.
7/20/99	905		Par D-C75E-1A	33	north wall	Addit. 1.0 ft excavated 7/20/99; no further lateral delineation, top 1.5 feet to be removed.
7/16/99	1335		Par D-C75E-2	62	east wall	Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.
7/16/99	1335		Par D-C75E-3	49	south wall	
7/16/99	1340		Par D-C75E-4	90	west wall	Addit. lateral delineation req'd.
7/20/99	900		Par D-C75E-4A	79	west wall	Addit. 0.5 ft excavated 7/20/99; no further lateral delineation, top 1.5 feet to be removed.
7/16/99	1340		Par D-C75E-5	19	bottom	Addit. vertical delineation req'd.
7/20/99	910	Pit 7	Par D-C75E-5A	6.7	bottom	Addit. 0.5 ft excavated 7/20/99; No further vertical delineation
7/16/99	1345		Par D-C100E-1	6.9	north side wall	No further lateral delineation
7/16/99	1345		Par D-C100E-2	7.1	east side wall	
7/16/99	1345		Par D-C100E-3	6.4	south side wall	
7/16/99	1350		Par D-C100E-4	6.4	west sidewall	
7/16/99	1350		Par D-C100E-5	6.1	bottom	No further vertical delineation

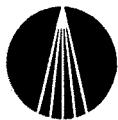


TABLE E-1
(CONTINUED)

Date	Time		Sample No.	Arsenic (mg/kg)	Location	Comments
7/16/99	825	Pit 8	Par D-C75SE-1	7.5	north wall	No further lateral delineation
7/16/99	825		Par D-C75SE-2	190	east wall	Addit. lateral delineation req'd.
7/20/99	902		Par D-C75SE-2A	72	east wall	Addit. 1.0 ft excavated 7/20/99; no furhter lateral delineaiton, top 1.5 feet to be removed.
7/16/99	825		Par D-C75SE-3	6.5	south wall	No further lateral delineation
7/16/99	830		Par D-C75SE-4	6.5	west wall	
7/16/99	830		Par D-C75SE-5	11	bottom	No further vertical delineation
7/16/99	810	Pit 9	Par D-C100SE-1	5.8	north wall	Top 1.5 feet soil will be removed during overall surface excavation.
7/16/99	810		Par D-C100SE-2	12	east wall	Addit. Confirm. samples to be collected.
7/16/99	810		Par D-C100SE-3	15	south wall	
7/16/99	815		Par D-C100SE-4	11	west wall	
7/16/99	815		Par D-C100SE-5	7.2	bottom	No further vertical delineation
7/16/99	1400	Pit 10	Par D-C25S-1	8.9	north wall	Top 1.5 feet soil will be removed during overall surface excavation.
7/16/99	1400		Par D-C25S-2	6.6	east wall	Addit. Confirm. samples to be collected.
7/16/99	1400		Par D-C25S-3	16	south wall	
7/16/99	1405		Par D-C25S-4	6.1	west wall	
7/16/99	1405		Par D-C25S-5	4.9	bottom	No further vertical delineation
7/16/99	1420	Pit 11	Par D-C75S-1	10	north wall	Top 1.5 feet soil will be removed during overall surface excavation.
7/16/99	1420		Par D-C75S-2	8.1	east wall	Addit. Confirm. samples to be collected.
7/16/99	1420		Par D-C75S-3	25	south wall	
7/16/99	1425		Par D-C75S-4	78	west wall	
7/16/99	1425		Par D-C75S-5	6.1	bottom	No further vertical delineation
7/16/99	840	Pit 12	Par D-C100S-1	6.4	north wall	No further lateral delineation
7/16/99	840		Par D-C100S-2	5.9	east wall	
7/16/99	840		Par D-C100S-3	8.5	south wall	
7/16/99	845		Par D-C100S-4	5.7	west wall	
7/16/99	845		Par D-C100S-5	4.4	bottom	No further vertical delineation
7/16/99	855	Pit 13	Par D-C75SW-1	23	north wall	Top 1.5 feet soil will be removed during overall surface excavation.
7/16/99	855		Par D-C75SW-2	42	east wall	Addit. Confirm. samples to be collected.
7/16/99	855		Par D-C75SW-3	17	south wall	
7/16/99	900		Par D-C75SW-4	48	west wall	
7/16/99	900		Par D-C75SW-5	7.3	bottom	No further vertical delineation



TABLE E-1
(CONTINUED)

Date	Time	Sample No.	Arsenic (mg/kg)	Location	Comments
7/16/99	952	Par D-WNW75-0.5	14	west-west-north at 75	No further excavation req'd
	955	Par D-WNW75-1.0	5.9	" "	No further excavation req'd
7/16/99	1001	Par D-WNW125-0.5	27	west-west-north at 125	Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.
	1004	Par D-WNW125-1.0	5.1	" "	No further excavation req'd
7/16/99	1014	Par D-WNW175-0.5	8.4	west-west-north at 175	No further excavation req'd
	1017	Par D-WNW175-1.0	6	" "	No further excavation req'd
7/16/99	1022	Par D-WNW225-0.5	10	west-west-north at 225	No further excavation req'd
	1025	Par D-WNW225-1.0	4.4	" "	No further excavation req'd
7/16/99	1122	Par D-WNW275-0.5	4	west-west-north at 275	No further excavation req'd
	1125	Par D-WNW275-1.0	3.7	" "	No further excavation req'd
7/16/99	1332	Par D>NNW75-0.5	49	north-north-west at 75	Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.
	1335	Par D>NNW75-1.0	4.5	" "	No further excavation req'd
7/16/99	1347	Par D>NNW125-0.5	20	north-north-west at 100	Top 1.5 feet soil will be removed during overall surface excavation. Addit. Confirm. samples to be collected.
	1353	Par D>NNW125-1.0	73	" "	
7/27/99	1320	Par D-C1	8.7	northwest (west border)	No further excavation req'd
7/27/99	1335	Par D-C2	3.8	west border	No further excavation req'd
7/27/99	1350	Par D-C3	3.9	west border	No further excavation req'd
7/27/99	1355	Par D-C4	4.9	southwest (west border)	No further excavation req'd
7/27/99	1330	Par D-C5	3.4	northwest (north border)	No further excavation req'd
7/28/99	942	Par D-C6	6.4	central	No further excavation req'd
7/28/99	1325	Par D-C7	3.7	central	No further excavation req'd
7/28/99	1315	Par D-C8	3.5	southern border	No further excavation req'd
7/29/99	1322	Par D-C9	3.9	north border	No further excavation req'd

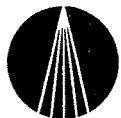


TABLE E-1
(CONTINUED)

Date	Time	Sample No.	Arsenic (mg/kg)	Location	Comments
7/28/99	955	Par D-C10	53	central	7/30/99, addit 4 in. excavated over area approx. 70 ft by 70 ft around C10
7/30/99	1415	Par D-C10A	3.6	central	
7/28/99	1335	Par D-C11	24	central	
7/30/99	1422	Par D-C11A	5.2	central	
7/28/99	1330	Par D-C12	4	south border	
7/29/99	1330	Par D-C13	25	northern border	
8/2/99	1423	Par D-C13A	4.7	north border	
7/28/99	1355	Par D-C14	100	central	
7/30/99	1410	Par D-C14A	61	central	
8/3/99	804	Par D-C14B	5	central	
7/28/99	1340	Par D-C15	14	central	
7/28/99	1345	Par D-C16	31	south border	
7/30/99	1345	Par D-C16A	3.9	south border	
7/29/99	1335	Par D-C17	4.8	north border	
7/29/99	1340	Par D-C18	27	central	
8/2/99	1349	Par D-C18A	4.4	central	
7/29/99	1345	Par D-C19	4.9	central	
7/29/99	1400	Par D-C20	76	northeast corner	
8/2/99	1328	Par D-C20A	4.4	northeast corner	
7/28/99	1400	Par D-C21	8.6	south border	
7/29/99	1355	Par D-C22	9.9	east border	
7/29/99	1350	Par D-C23	5.5	east border	
7/30/99	1405	Par D-C24	4.5	northwest Par D-C14	

TABLE E-1
(CONTINUED)

Date	Time	Sample No.	Arsenic (mg/kg)	Location	Comments
7/30/99	1400	Par D-C25	4.9	northeast Par D-C14	No further excavation req'd
7/30/99	1355	Par D-C26	3.7	southeast Par D-C26	No further excavation req'd
7/30/99	1425	Par D-C27	3.9	south Par D-C11	No further excavation req'd
7/28/99	1405	Par D-C28	5.6	southeast corner	No further excavation req'd
7/30/99	1420	Par D-C29	4.9	west Par D-C10	No further excavation req'd
7/30/99	1335	Par D-C30	3.8	north Par D-C16	No further excavation req'd
7/30/99	1320	Par D-C31	5	east Par D-C16	No further excavation req'd
7/30/99	1325	Par D-C32	4.4	south Par D-C16	No further excavation req'd
7/30/99	1330	Par D-C33	3.6	west Par D-C16	No further excavation req'd
8/2/99	1407	Par D-C34	20	east of Par D-C13	Addit lateral delineation req'd
8/4/99	843	Par D-C34A	4.4	east of Par D-C13	8/04/99, addit 4 in. excavated over area approx. 15 ft by 15 ft around C34
8/2/99	1420	Par D-C35	6.4	south of Par D-C13	No further excavation req'd
8/2/99	1416	Par D-C36	3.8	west of Par D-C13	No further excavation req'd
8/2/99	1413	Par D-C37	4.7	north of Par D-C13	No further excavation req'd
8/2/99	1346	Par D-C38	6.8	east of Par D-C18	No further excavation req'd
8/2/99	1353	Par D-C39	7	south of Par D-C18	No further excavation req'd
8/2/99	1355	Par D-C40	5.7	west of Par D-C18	No further excavation req'd
8/2/99	1359	Par D-C41	7.8	north of Par D-C18	No further excavation req'd
8/2/99	1324	Par D-C42	170	east of Par D-C20	Addit lateral and vertical req'd;
8/4/99	855	Par D-C42A	3.7	east of Par D-C20	Addit 20 ft by 10 ft by 2 ft excavated around C42
8/2/99	1336	Par D-C43	4.3	south of Par D-C20	No further excavation req'd
8/2/99	1340	Par D-C44	4.7	west of Par D-C20	No further excavation req'd
8/2/99	1333	Par D-C45	3.7	north of Par D-C20	No further excavation req'd
8/3/99	759	Par D-C46	4.2	east of Par D-14A	No further excavation req'd
8/3/99	808	Par D-C47	4.1	south of Par D-14A	No further excavation req'd
8/3/99	812	Par D-C48	4.2	west of Par D-14A	No further excavation req'd
8/3/99	815	Par D-C49	3.8	north of Par D-14A	No further excavation req'd
8/4/99	846	Par D-C50	3.9	southwest of Par D-C34	No further excavation req'd
8/4/99	859	Par D-C51	4.8	east of Par D-C42	No further excavation req'd
8/4/99	903	Par D-C52	4.6	south of Par D-42	No further excavation req'd



TABLE E-1
(CONTINUED)

Date	Time		Sample No.	Arsenic (mg/kg)	Location	Comments
7/23/99	1140		ParDo-C1	4.1	west end	Over-excavated area between borings B1 and B2 where arsenic-impacted soils were deposited; deposited soils were removed to native where confirmation samples were collected.
7/22/99	1525		ParDo-C2	5.2	central	
7/22/99	1528		ParDo-C3	5.7	central	
7/22/99	1530		ParDo-C4	4.9	central	
7/22/99	1535		ParDo-C5	5.3	east end	
7/21/99	1010		Par D-BS1	14		Road base material

Notes:

Boldface indicates total arsenic concentration above HBRG of 14 mg/kg, but within range for disposal at Bradley Landfill.

Shading indicates concentration is above the range for disposal at Bradley. Additional excavation conducted, and soil disposed at Kettleman Hills.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Boeing Parcel D
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11023

Sampled: 07/16/99
Received: 07/16/99
Analyzed: 07/19/99
Reported: 07/19/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070282	Par D-C50N-1	38
99070283	Par D-C50N-2	55
99070284	Par D-C50N-3	64
99070285	Par D-C50N-4	50
99070286	Par D-C50N-5	4.3
99070287	Par D-C75NE-1	72
99070288	Par D-C75NE-2	170
99070289	Par D-C75NE-3	110
99070290	Par D-C75NE-4	140
99070291	Par D-C75NE-5	7.5
99070292	Par D-C125NE-1	8.9
99070293	Par D-C125NE-2	16
99070294	Par D-C125NE-3	67
99070295	Par D-C125NE-4	31
99070296	Par D-C125NE-5	8.4
99070297	Par D-C150NE-1	20
99070298	Par D-C150NE-2	19
99070299	Par D-C150NE-3	110
99070300	Par D-C150NE-4	42
99070301	Par D-C150NE-5	11
99070302	Par D-C75E-1	180
99070303	Par D-C75E-2	62
99070304	Par D-C75E-3	49
99070305	Par D-C75E-4	90
99070306	Par D-C75E-5	19

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT mm

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Boeing Parcel D
Client Project #:

Sample Description: Soil,

Sampled: 07/16/99
Received: 07/16/99
Analyzed: 07/19/99
Reported: 07/19/99

Laboratory Reference #: IES 11022

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070267	Par D-C175W-1	9.5
99070268	Par D-C175W-2	11
99070269	Par D-C175W-3	14
99070270	Par D-C175W-4	11
99070271	Par D-C175W-5	4.3
99070272	Par D-C100S-1	6.4
99070273	Par D-C100S-2	5.9
99070274	Par D-C100S-3	8.5
99070275	Par D-C100S-4	5.7
99070276	Par D-C100S-5	4.4
99070277	Par D-C75SW-1	23
99070278	Par D-C75SW-2	42
99070279	Par D-C75SW-3	17
99070280	Par D-C75SW-4	48
99070281	Par D-C75SW-5	7.3

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT m.m.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Boeing Parcel D
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11024

Sampled: 07/16/99
Received: 07/16/99
Analyzed: 07/19/99
Reported: 07/19/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070307	Par D-C100E-1	6.9
99070308	Par D-C100E-2	7.1
99070309	Par D-C100E-3	6.4
99070310	Par D-C100E-4	6.4
99070311	Par D-C100E-5	6.1
99070312	Par D-C75SE-1	7.5
99070313	Par D-C75SE-2	190
99070314	Par D-C75SE-3	6.5
99070315	Par D-C75SE-4	6.5
99070316	Par D-C75SE-5	11
99070317	Par D-C100 SE-1	5.8
99070318	Par D-C100 SE-2	12
99070319	Par D-C100 SE-3	15
99070320	Par D-C100 SE-4	11
99070321	Par D-C100 SE-5	7.2
99070322	Par D-C25S-1	8.9
99070323	Par D-C25S-2	6.6
99070324	Par D-C25S-3	16
99070325	Par D-C25S-4	6.1
99070326	Par D-C25S-5	4.9
99070327	Par D-C75S-1	10
99070328	Par D-C75S-2	8.1
99070329	Par D-C75S-3	25
99070330	Par D-C75S-4	78
99070331	Par D-C75S-5	6.1

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT_mn.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Conf.
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11025

Sampled: 07/16/99
Received: 07/16/99
Analyzed: 07/19/99
Reported: 07/20/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070332	Par D-WNW75-0.5	14
99070333	Par D-WNW75-1	5.9
99070334	Par D-WNW125-0.5	27
99070335	Par D-WNW125-1	5.1
99070336	Par D-WNW175-0.5	8.4
99070337	Par D-WNW175-1	6.0
99070338	Par D-WNW225-0.5	10
99070339	Par D-WNW225-1	4.4
99070340	Par D-WNW275-0.5	4.0
99070341	Par D-WNW275-1	3.7
99070342	Par D-NNW75-0.5	49
99070343	Par D-NNW75-1	4.5
99070344	Par D-NNW125-0.5	20
99070345	Par D-NNW125-1	73

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT m.m.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Sample Description: Soil,

Laboratory Reference #: IES 11029

Client Project ID: Parcel D Conf.
Client Project #:

Sampled: 07/20/99
Received: 07/20/99
Analyzed: 07/21/99
Reported: 07/21/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070353	Par D-C150NE-3A	59
99070354	Par D-C75NE-3A	200
99070355	Par D-C75NE-4A	120
99070356	Par D-C75NE-2A	200
99070357	Par D-C75E-1A	33
99070358	Par D-C75E-4A	79
99070359	Par D-75E-5A	6.7
99070360	Par D-C75SE-2A	72
<hr/>		
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT mm

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D
Client Project #:

Sample Description: Soil,

Sampled: 07/22/99
Received: 07/22/99
Analyzed: 07/23/99
Reported: 07/23/99

Laboratory Reference #: IES 11036

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070404	Par D-C75NE-2B	130
99070405	Par D-C75NE-3B	150
99070406	Par D-C75NE-4B	69
<hr/>		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11037

Sampled: 07/22/99
Received: 07/22/99
Analyzed: 07/23/99
Reported: 07/23/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070407	Par Do-C2	5.2
99070408	Par Do-C3	5.7
99070409	Par Do-C4	4.9
99070410	Par Do-C5	5.3
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Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Sample Description: Soil,

Laboratory Reference #: IES 11043

Client Project ID: Parcel D - Confirm. Samples
Client Project #:

Sampled: 07/27/99
Received: 07/27/99
Analyzed: 07/28/99
Reported: 07/28/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070422	Par D - C1	8.7
99070423	Par D - C2	3.8
99070424	Par D - C3	3.9
99070425	Par D - C4	4.9
99070426	Par D - C5	3.4
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Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT m.w.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 11040

Sampled: 07/23/99
Received: 07/23/99
Analyzed: 07/26/99
Reported: 07/26/99

TOTAL ARSENIC (EPA 6010)

<i>LABORATORY SAMPLE NUMBER</i>	<i>CLIENT SAMPLE NUMBER</i>	<i>SAMPLE RESULTS mg/kg</i>
99070413	Par Do-C1	4.1
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D
Client Project #:

Sample Description: Soil,

Sampled: 08/03/99
Received: 08/03/99
Analyzed: 08/03/99
Reported: 08/03/99

Laboratory Reference #: IES 11060

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99080019	Par D - C46	4.2
99080020	Par D - C14B	5.0
99080021	Par D - C47	4.1
99080022	Par D - C48	4.2
99080023	Par D - C49	3.8
<hr/>		
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INTnnn:

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Parcel D - Confirm
Client Project #:

Sample Description: Soil,

Sampled: 07/28/99
Received: 07/28/99
Analyzed: 07/29/99
Reported: 07/29/99

Laboratory Reference #: IES 11044

TOTAL ARSENIC (EPA 6010)

<i>LABORATORY SAMPLE NUMBER</i>	<i>CLIENT SAMPLE NUMBER</i>	<i>SAMPLE RESULTS mg/kg</i>
99070427	Par D - C6	6.4
99070428	Par D - C7	3.7
99070429	Par D - C8	3.5
99070430	Par D - C10	53
99070431	Par D - C11	24
99070432	Par D - C12	4.0
99070433	Par D - C14	100
99070434	Par D - C15	14
99070435	Par D - C16	31
99070436	Par D - C21	8.6
99070437	Par D - C28	5.6

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D
Client Project #:

Sample Description: Soil,

Sampled: 07/29/99
Received: 07/29/99
Analyzed: 07/30/99
Reported: 07/30/99

Laboratory Reference #: IES 11049

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070445	Par D - C9	3.3
99070446	Par D - C13	25
99070447	Par D - C17	4.8
99070448	Par D - C18	27
99070449	Par D - C19	4.9
99070450	Par D - C20	76
99070451	Par D - C22	9.9
99070452	Par D - C23	5.5
<hr/>		
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT mm:

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,

Sampled: 07/30/99
Received: 07/30/99
Analyzed: 08/02/99
Reported: 08/02/99

Laboratory Reference #: IES 11055

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99070481	Par D - C10A	3.6
99070482	Par D - C29	4.9
99070483	Par D - C11A	5.2
99070484	Par D - C27	3.9
99070485	Par D - C14A	61
99070486	Par D - C24	4.5
99070487	Par D - C25	4.9
99070488	Par D - C26	3.7
99070489	Par D - C16A	3.9
99070490	Par D - C30	3.8
99070491	Par D - C31	5.0
99070492	Par D - C32	4.4
99070493	Par D - C33	3.6

Detection Limit	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT m.m.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Omelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Sample Description: Soil.

Laboratory Reference #: IES 11059

Client Project ID: Parcel D

Client Project #:

Sampled: 08/02/99
Received: 08/02/99
Analyzed: 08/03/99
Reported: 08/03/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99080004	Par D - C42	170
99080005	Par D - C20A	4.4
99080008	Par D - C45	3.7
99080007	Par D - C43	4.3
99080008	Par D - C44	4.7
99080009	Par D - C38	6.8
99080010	Par D - C18A	4.4
99080011	Par D - C39	7.0
99080012	Par D - C40	5.7
99080013	Par D - C41	7.8
99080014	Par D - C34	20
99080015	Par D - C37	4.7
99080016	Par D - C36	3.8
99080017	Par D - C35	6.4
99080018	Par D - C13A	4.7
<hr/>		
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

INT.m.n.

Orange Coast Analytical, Inc.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11065

Sampled: 08/04/99
Received: 08/04/99
Analyzed: 08/04/99
Reported: 08/04/99

TOTAL ARSENIC (EPA 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/kg
99080061	Par D - C34A	4.4
99080062	Par D - C50	3.9
99080063	Par D - C42A	3.7
99080064	Par D - C51	4.8
99080065	Par D - C52	4.6
<hr/>		
Detection Limit		1.0

Analyte reported as N.D. were not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: Parcel D Confirmation
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11001

Sampled: 07/12/99
Received: 07/12/99
Analyzed: 07/16/99
Reported: 07/16/99

TCLP ARSENIC (EPA 1311 / 6010)

LABORATORY SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE RESULTS mg/l
---	-------------------------------------	------------------------------------

99070140	B3C-150NE-1.0	N.D.
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Detection Limit:	1.0
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Analyte reported as N.D. was not present above the stated limit of detection.

Integrated Environmental Services

Ms. Joann Ornelas
 3990 Westerly Pl. Suite 210
 Newport Beach, CA 92660

Client Project ID: Boeing C-6 Parcel D
Client Project #:

Sample Description: Soil,
Laboratory Reference #: IES 11032

Sampled: 07/21/99
Received: 07/21/99
Analyzed: 07/21/99
Reported: 07/21/99

TOTAL ARSENIC (EPA 6010)

<i>LABORATORY</i>	<i>CLIENT</i>	<i>SAMPLE</i>
<i>SAMPLE</i>	<i>SAMPLE</i>	<i>RESULTS</i>
<i>NUMBER</i>	<i>NUMBER</i>	<i>mg/kg</i>

99070379	Par D-BS1	14
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<u>Detection Limit</u>	1.0
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Analyte reported as N.D. were not present above the stated limit of detection.

INT

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11023

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/19/99	99070296	0.17	10.0	10.8	10.6	106	104	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11022

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/19/99	99070281	0.15	10.0	10.3	10.5	102	104	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11023

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/19/99	99070311	0.12	10.0	10.4	10.3	103	102	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11024

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/19/99	99070326	0.098	10.0	10.2	10.1	101	100	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11025

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/20/99	99070347	0.081	10.0	10.2	10.3	101	102	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

int m.n.

Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11029

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/21/99	99070361	0.14	10.0	9.93	10.2	98	101	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11032

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/21/99	99070361	0.14	10.0	9.93	10.2	98	101	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11036

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/23/99	99070410	0.11	10.0	9.84	9.6	97	95	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11037

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/23/99	99070410	0.11	10.0	9.84	9.6	97	95	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

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Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11040

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/26/99	OCA 100	0.0	10.0	10.2	9.4	102	94	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11043

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/28/99	A99070146	0.27	10.0	10.8	10.8	105	105	0

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11044

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/29/99	99070437	0.11	10.0	10.2	10.3	101	102	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11049

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	07/30/99	99070452	0.11	10.0	9.84	10.1	97	100	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11055

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	08/02/99	99070493	0.073	10.0	10.2	10.0	101	99	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

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Orange Coast Analytical, Inc.

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11059

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	08/03/99	99080013	0.16	10.0	11.3	11.4	111	112	1

Definition of Terms :

- R1 Results Of First Analysis
SP Spike Concentration Added to Sample
MS Matrix Spike Results
MSD Matrix Spike Duplicate Results
PR1 Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2 Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11060

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	08/03/99	99080023	0.076	10.0	11.1	11.5	110	114	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

QC DATA REPORT

Analysis : Metals

Laboratory Reference No : IES 11065

Analyte	Date Tested	QC Sample	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Arsenic	08/04/99	99070472	0.12	10.0	10.6	10.5	105	104	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: $\{(MS-R1) / SP\} \times 100$
PR2	Percent Recovery Of MSD: $\{(MSD-R1) / SP\} \times 100$
RPD	Relative Percent Difference: $\{(MS-MSD) / (MS+MSD)\} \times 100 \times 2$

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: 24 hrs. TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						REMARKS/PRECAUTIONS			
COMPANY:	Young Co 10131	PROJECT NAME:	Brewing Blend D	SAMPLE DATE:	7/16/01	SAMPLE TIME:	9:20	CONTAINER TYPE:	32L	PRES.	-
SEND REPORT TO:	Janice Drymka	NUMBER:									X
ADDRESS:	9910 Westchester Pl	LOCATION:	Los Angeles, CA								X
	Wright Beach, CA 90201	ADDRESS:									
ANALYSIS/METHOD											
QA/QC/LIMIT TEST											
RECEIVED BY:											
PHONE: <u>949 452 4105</u> FAX: <u>949 852 2901</u>		SAMPLED BY:									
SAMPLE ID	NO OF CONTAINERS										
Van D-C175W-1	1	7/16/01	9:20	32L	4-02	-					
Van D-C175W-2	1		9:20								X
Van D-C175W-3	1		9:20								X
Van D-C175W-4	1		9:25								X
Van D-C175W-5	1		9:25								X
Van D-C100S-1	1		8:40								X
Van D-C100S-2	1		8:40								X
Van D-C100S-3	1		8:40								X
Van D-C100S-4	1		8:45								X
Van D-C100S-5	1		8:45								X
Van D-C15SW-1	1		8:55								X
Van D-C15SW-2	1		8:55								X
Van D-C15SW-3	1		8:55								X
Van D-C15SW-4	1		9:00								X
Total No. of Samples:	14	Method of Shipment:									
Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)							
	<u>7/16/01</u>		<u>7/16/01</u>	NORMAL <input type="checkbox"/> S.D. HMMD <input type="checkbox"/>							
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB <input type="checkbox"/> OTHER <input type="checkbox"/>							
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:	Sample Integrity: (check) intact <input type="checkbox"/> on ice <input type="checkbox"/>							
All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.											

Analysis Request and in of Custody Record

ORANGE COAST ANALYTICAL, INC.



3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page 2 of 2

REQUIRED TAT: 48 Hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						REMARKS/PRECAUTIONS	
COMPANY: <u>Edwards</u>		PROJECT NAME: <u>Edwards, Parcel D</u>						<u>ANALYSIS REQUEST</u> <u>EDTA (EDTA)</u> <u>REDUCES/METHOD</u>	
SEND REPORT TO:	Jurgen Dreher	NUMBER:		LOCATION:	Los Angeles, CA	ADDRESS:	4500 Western Place Westfield Ranch Center Los Angeles, CA 90060		
PHONE:	714 852 9050	FAX:	714 852 29011	SAMPLED BY:	<u>file</u>				
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.			
Pan D - C125NE-5	1	7/16/99	10:35	Soil	4-DR	-			
Pan D - C12DNE-1	1		10:45			X			
Pan D - C15DNE-2	1		10:45			X			
Pan D - C15DNE-3	1		10:45			X			
Pan D - C15DNE-4	1		10:50			X			
Pan D - C15DNE-5	1		10:50			X			
Pan D - C17SE-1	1		13:35			X			
Pan D - C17SE-2	1		13:35			X			
Pan D - C17SE-3	1		13:35			X			
Pan D - C17SE-4	1		13:40			X			
Pan D - C17SE-5	1		13:40			X			
Total No. of Samples:	11	Method of Shipment:							
Relinquished By:	Date/Time:	Received By:						Date/Time:	Reporting Format: (check)
<u>Mark Thompson</u>	<u>7/16/99</u>	<u>Mark Thompson</u>						<u>7/16/99</u>	NORMAL <input type="checkbox"/> S.D. HMMD <input type="checkbox"/>
Relinquished By:	Date/Time:	Received By:						Date/Time:	RWQCB <input type="checkbox"/> OTHER <input type="checkbox"/>
Relinquished By:	Date/Time:	Received For Lab By:						Date/Time:	Sample Integrity: (check)
		<u>Mark Thompson</u>						<u>7/16/99</u>	intact <input type="checkbox"/> on ice <input type="checkbox"/>

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: 2 of 2
Page 2 of 2

24 hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						
COMPANY: <u>Phoenix 101 East</u>	PROJECT NAME: <u>Brewing Field D</u>							
SEND REPORT TO: <u>John O'Brien</u>	NUMBER: <u></u>							
ADDRESS: <u>2910 W. Century Pl</u>	LOCATION: <u>Los Angeles, CA</u>							
ADDRESS: <u>Hanford Beach, CA</u>								
PHONE: <u>(714) 832-0067</u> FAX: <u>(714) 852-9011</u>		SAMPLED BY: <u>APD</u>						
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	REMARKS/PRECAUTIONS	
PAID-175SW-5	1	7/16/99	9:00	Soil	4-02	-	ANALYSIS/METHOD ETX 600C (ATR-IR)	
<p>Total No. of Samples: <u>1</u></p> <p>Method of Shipment: <u>Delivery</u></p> <p>Received By: <u>John Long</u></p> <p>Date/Time: <u>7/16/99</u></p> <p>Relinquished By: <u>Mark Norman</u></p> <p>Date/Time: <u>7/16/99</u></p> <p>Relinquished By: <u>Mark Norman</u></p> <p>Date/Time: <u>7/16/99</u></p>								
Relinquished By: <u>Mark Norman</u>		Date/Time: <u>7/16/99</u>		Received For Lab By: <u>Mark Norman</u>		Date/Time: <u>7/16/99</u>		
Relinquished By: <u>Mark Norman</u>		Date/Time: <u>7/16/99</u>		Received For Lab By: <u>Mark Norman</u>		Date/Time: <u>7/16/99</u>		
Reporting Format: (check)								
NORMAL <input type="checkbox"/>				S.D. HMMRD <input type="checkbox"/>				
RWQCB <input type="checkbox"/>				OTHER <input type="checkbox"/>				
Sample Integrity: (check)								
intact <input type="checkbox"/>				on ice <input type="checkbox"/>				

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067



4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: 24 hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS/METHOD	
COMPANY: <u>Brown CP 1E51</u>	PROJECT NAME: <u>Brown Panel 1</u>	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.		
SERIAL REPORT #: <u>10000000000000000000000000000000</u>	NUMBER: <u></u>	1	7/16/03	1345	Soil	4-02	-	Tat Result - 24 hr TAT	
ADDRESS: <u>2900 W 110th Street, Phoenix, AZ 85041</u>	LOCATION: <u>Los Angeles, CA</u>	1	1345	1345	Soil	4-02	X		
PHONE: <u>949 852 9012 FAX: 949 852 9011</u>	SAMPLED BY: <u>JG</u>	1	1345	1345	Soil	4-02	X		
SAMPLE ID	1	1	1345	1345	Soil	4-02	X		
Par D-C1DDE-1	1	1	1345	1345	Soil	4-02	X		
Par D-C1DDE-2	1	1	1345	1345	Soil	4-02	X		
Par D-C1DDE-3	1	1	1345	1345	Soil	4-02	X		
Par D-C1DDE-4	1	1	1345	1345	Soil	4-02	X		
Par D-C1DDE-5	1	1	1345	1345	Soil	4-02	X		
Par D-C75SE-1	1	1	815	815	Soil	4-02	X		
Par D-C75SE-2	1	1	815	815	Soil	4-02	X		
Par D-C75SE-3	1	1	815	815	Soil	4-02	X		
Par D-C75SE-4	1	1	815	815	Soil	4-02	X		
Par D-C75SE-5	1	1	815	815	Soil	4-02	X		
Par D-C1DDE-1	1	1	810	810	Soil	4-02	X		
Par D-C1DDE-2	1	1	810	810	Soil	4-02	X		
Par D-C1DDE-3	1	1	810	810	Soil	4-02	X		
Par D-C1DDE-4	1	1	815	815	Soil	4-02	X		
Total No. of Samples:	14	Method of Shipment:						Reporting Format: (check)	
Relinquished By: <u>John Doe</u>	Date/Time: <u>7/16/03</u>	Received By:						NORMAL _____ S.D. HMMD _____	
Relinquished By: <u>John Doe</u>	Date/Time: <u>7/16/03</u>	Received By:						RWQCB _____ OTHER _____	
Relinquished By: <u>John Doe</u>	Date/Time: <u>7/16/03</u>	Received For Lab By:						Sample Integrity: (check) intact _____ on ice _____	
Relinquished By: <u>John Doe</u>	Date/Time: <u>7/16/03</u>	Received Date/Time:						Date/Time: <u>7/16/03</u>	

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.
 3002 Dow, Suite 532
 Tustin, CA 92780
 (714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4

Phoenix, AZ 85040

(602) 736-0960 Fax (602) 736-0970

Lab Job No:
Page

REQUIRED TAT: **48-hr TAT**

CUSTOMER INFORMATION		PROJECT INFORMATION					ANALYSIS/METHOD RELEASED (6/20)	REMARKS/PRECAUTIONS
COMPANY:	ADDRESS:	PROJECT NAME:	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE		
Boeing c/o IESS	FAX: (949)852-9011	SAMPLED BY: Anderson Cheng	7/16/99	0950	soil	4-oz	X	
SEND REPORT TO: John Daniels								
LOCATION:								
ADDRESS:								
PHONE: (449)852-9050	FAX: (949)852-9011							
SAMPLE ID	NO. OF CONTAINERS							
Par D - LNWL75-0.5	1							
Par D - LNWL75-1		0955						
Par D - LNWL125-0.5			1001					
Par D - LNWL125-1			1004					
Par D - LNWL75-0.5				1014				
Par D - LNWL175-1					1017			
Par D - LNWL225-0.5						1022		
Par D - LNWL225-1							1025	
Par D - LNWL275-0.5							1122	
Par D - LNWL275-1								1125
Par D - NNWL75-0.5								1332
Par D - NNWL75-1								1335
Par D - NNWL125-0.5								1347
Par D - NNWL125-1								1353
Total No. of Samples: 14	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)				
Relinquished By: Anderson Cheng	7/16/99 1405	<i>John Daniels</i>	7/16/99 1445	NORMAL	S.D. HMMD			
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB	OTHER			
Relinquished By:	Date/Time:	Received For Lab By: Mark Moore	Date/Time: 7/16/99 1730	Sample Integrity: intact	on ice			

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.



Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602)

Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: 1
Page 1 of 1

REQUIRED DAT: 24 hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS REQUEST					
COMPANY: <u>Boeing Co Test</u>	PROJECT NAME: <u>Boeing Co Test</u>	NUMBER:	SAMPLE DATE:	SAMPLE TIME:	SAMPLE MATRIX:	CONTAINER TYPE:	PRES.	REMARKS/PRECAUTIONS					
SEND REPORT TO: <u>Scandin Brinks</u>	ADDRESS: <u>3990 W. 22nd St., P.O. Dept. B, Beach, CA</u>	LOCATION: <u>Los Angeles</u>						REMARKS/PRECAUTIONS					
PHONE: <u>949 852 9050 FAX: 949 852 9050</u>	SAMPLED BY:						RECEIVED BY:						
SAMPLE ID: <u>Boe D - BS1</u>	NO. OF CONTAINERS: <u>1</u>	SAMPLE DATE: <u>7/21/99</u>	SAMPLE TIME: <u>1010</u>	SAMPLE MATRIX: <u>Soil</u>	CONTAINER TYPE: <u>4-oz</u>	PRES.: <u>-</u>	RECEIVED BY:						
Method of Shipment:							Reporting Format: (check)						
Total No. of Samples: <u>1</u>	Date/Time: <u>7/21/99 11:00am</u>	Received By: <u>John G. Barnes</u>	Date/Time: <u>NORMAL</u>	S.D. HMMD									
Relinquished By: <u>John G. Barnes</u>	Date/Time: <u>RWQCB</u>	Received By: <u>John G. Barnes</u>	Date/Time: <u>OTHER</u>										
Relinquished By: <u>John G. Barnes</u>	Date/Time: <u>7/21/99 11:10 am</u>	Received For Lab By: <u>John G. Barnes</u>	Date/Time: <u>intact</u>	Sample Integrity: (check) on ice									

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record



ORANGE COAST ANALYTICAL, INC.

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Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602)

Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page _____

卷之三

REQUERED TAT: 24 hr TAT

CUSTOMER INFORMATION

CUSTOMER INFORMATION		PROJECT INFORMATION					
COMPANY: Boeing 401ESI	PROJECT NAME: Parc D						
SEND REPORT TO: Johnson Ornelus	NUMBER:						
ADDRESS: 3990 Wisterly Pl	LOCATION:						
Newport Beach, CA	ADDRESS:						
PHONE: 449 852 9050 FAX: 949 852 9011	SAMPLED BY: <i>JPL</i>						
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	REMARKS/PRECAUTIONS
Par D-C7SNE-2B	1	7/22/99	945	SOL	4-02	-	<i>Fix results</i>
Par D-C7SNE-3B	1	7	942	1	7	X	
Par D-C7SNE-4B	1	7	940	1	7	X	
Total No. of Samples: <i>3</i>							
Relinquished By: <i>John A. Johnson</i>	Date/Time: <i>7/22/99 4:30pm</i>	Received By:	Date/Time:	Method of Shipment: <i>Delivery</i>			
Relinquished By: <i>John A. Johnson</i>	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)			
Relinquished By: <i>John A. Johnson</i>	Date/Time:	Received By:	Date/Time:	NORMAL _____			
Relinquished By: <i>John A. Johnson</i>	Date/Time:	Received By:	Date/Time:	S.D. HMMMD _____			
Relinquished By: <i>John A. Johnson</i>	Date/Time:	Received By:	Date/Time:	RWQCB _____ OTHER _____			
Relinquished By: <i>John A. Johnson</i>	Date/Time:	Received For Lab By: <i>John A. Johnson</i>	Date/Time: <i>7/22/99 4:50pm</i>	Sample Integrity: (check) intact _____ on ice _____			

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970



Lab Job No.: _____
Page _____ of _____

REQUIRED TAT: 24 hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						REMARKS/PRECAUTIONS		
COMPANY:	<u>Brewing Co 1E51</u>	PROJECT NAME:	<u>Pavel S - Confurat</u>							
SEND REPORT TO:	<u>John Douglas</u>	NUMBER:								
ADDRESS:										
PHONE:	<u>949 852 9052</u>	FAX:	<u>949 852 9011</u>	SAMPLED BY:	<u>J.D.</u>					
SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.				
<u>Pav D-C1</u>	<u>1</u>	<u>7/13/99</u>	<u>0442</u>	<u>Soil</u>	<u>40e</u>	<u>-</u>				
<u>Pav D-C7</u>	<u>1</u>	<u></u>	<u>1325</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C8</u>	<u>1</u>	<u></u>	<u>1315</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C10</u>	<u>1</u>	<u></u>	<u>0955</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C11</u>	<u>1</u>	<u></u>	<u>1335</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C12</u>	<u>1</u>	<u></u>	<u>1320</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C14</u>	<u>1</u>	<u></u>	<u>1355</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C15</u>	<u>1</u>	<u></u>	<u>1340</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C16</u>	<u>1</u>	<u></u>	<u>1245</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C21</u>	<u>1</u>	<u></u>	<u>1400</u>	<u></u>	<u></u>	<u>X</u>				
<u>Pav D-C28</u>	<u>1</u>	<u></u>	<u>1405</u>	<u></u>	<u></u>	<u>X</u>				
Total No. of Samples: <u>11</u>							Method of Shipment: <u>Delivery</u>			
Relinquished By:	Date/Time:			Received By:			Reporting Format: (check)			
<u>John Douglas</u>							NORMAL <input type="checkbox"/>	S.D. HMMD <input type="checkbox"/>		
Relinquished By:	Date/Time:			Received By:			Date/Time:	RWQCB <input type="checkbox"/>	OTHER <input type="checkbox"/>	
Relinquished By:	Date/Time:			Received For Lab By:			Date/Time:	Sample Integrity: (check)	on ice <input type="checkbox"/>	
				<u>John Douglas</u>			<u>7/18/99</u>	<u>intact</u> <input type="checkbox"/>		
							<u>3:45 pm</u>			

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

ORANGE COAST ANALYTICAL, INC.



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(714) 832-0064, Fax (714) 832-0067

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Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page _____ of 1

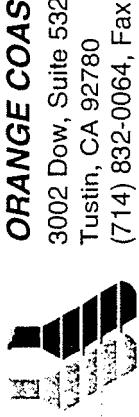
REQUIRED TAT: 24 hrs TAT

Analysis Request and Chain of Custody Record

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS REQUEST (LOD)		PROJECT INFORMATION		ANALYSIS METHOD						REMARKS/PRECAUTIONS			
COMPANY:	Boeing C12 WE51	PROJECT NAME:	Paxel D	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.
SEND REPORT TO:	Josephine O'neill	NUMBER:		1	7/29/99	1322	SOL	4oz	-	1	1330				1	1335					
ADDRESS:	3990 University Dr. Newport Beach	LOCATION:		1						1					1	1340					
ADDRESS:				1						1					1	1345					
PHONE:	949 852 9059 FAX: 949 852 9011	SAMPLED BY:	<u>JPO</u>	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.
Pax D-C9		1	7/29/99	1322	SOL	4oz	-	X		1	1330				1	1335					
Pax D-C13		1								1					1	1340					
Pax D-C17		1								1					1	1345					
Pax D-C18		1								1					1	1400					
Pax D-C19		1								1					1	1355					
Pax D-C20		1								1					1	1350	↓	↓	X		
Pax D-C22		1								1					1	1350	↓	↓	X		
Pax D-C23		1								1					1	1350	↓	↓	X		
Total No. of Samples:	8	Method of Shipment: <u>Delivery</u>						Received By: <u>Johnny G. Johnson</u>						Reporting Format: (check)							
Relinquished By:	<u>Johnny G. Johnson</u>	Date/Time:	<u>7/29/99 3:35pm</u>	Received By:	<u>Johnny G. Johnson</u>	Date/Time:	<u>7/29/99 3:35pm</u>	NORMAL	<u>_____</u>	S.D. HMMD	<u>_____</u>										
Relinquished By:	<u>Johnny G. Johnson</u>	Date/Time:	<u>7/29/99 3:35pm</u>	Received By:	<u>Johnny G. Johnson</u>	Date/Time:	<u>7/29/99 3:35pm</u>	RWQCB	<u>_____</u>	OTHER	<u>_____</u>										
Relinquished By:		Date/Time:		Received For Lab By:	<u>Johnny G. Johnson</u>	Date/Time:		Sample Integrity: (check)													
								intact	<u>_____</u>	on ice	<u>_____</u>										

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to return samples.

ORANGE COAST ANALYTICAL, INC.



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Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No:	1
Page	of
REQUIRED TAT: 24 hr TAT	

CUSTOMER INFORMATION		PROJECT INFORMATION						REMARKS/PRECAUTIONS	
COMPANY:	PHONE: 949 852 1011 FAX: 949 852 1011	PROJECT NAME:	Pavco D Confirmt.	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX		CONTAINER TYPE
SEND REPORT TO:	Local Drakes								
ADDRESS:	2990 University Pk								
	Westport Beach, CA								
<i>ANALYSIS REQUEST</i> (6010)									
<i>ANALYSIS METHOD</i> (6010)									
SAMPLE ID									
Pav D - C10A	1	7/20/99	11:15	Soil	402	-	X		
Pav D - C29	1		1420				X		
Pav D - C11A	1		1422				X		
Pav D - C27	1		1425				X		
Pav D - C14A	1		1440				X		
Pav D - C24	1		1445				X		
Pav D - C25	1		1400				X		
Pav D - C26	1		1355				X		
Pav D - C16A	1		1345				X		
Pav D - C30	1		1335				X		
Pav D - C31	1		1320				X		
Pav D - C32	1		1325				X		
Pav D - C33	1		1320				V		
Total No. of Samples:	13	Method of Shipment: <i>Delivery</i>						Reporting Format: (check)	
Relinquished By:	Date/Time:							NORMAL	S.D. HMMMD
<i>[Signature]</i>	<i>7/15/99 4:22pm</i>								
Received By:	Date/Time:							RWQCB	OTHER
<i>[Signature]</i>	<i>7/15/99 4:22pm</i>								
Relinquished By:	Date/Time:							Sample Integrity: (check)	
<i>[Signature]</i>	<i>7/15/99 4:22pm</i>							intact	on ice

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.



Analysis Request and Gain of Custody Record YTICAL, INC.

ORANGE COAST ANALYTICAL, INC.

3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064, Fax (

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 733-0960 Fax (6

Tustin, CA 92780
(714) 832-0064. Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No. 2 — Page 2 of 2

REQUIRED TAT: 24 hrs TAT

CUSTOMER INFORMATION		PROJECT INFORMATION		REMARKS/PRECAUTIONS
COMPANY: Boeing Co Inc	PROJECT NAME: Project D	NO. OF CONTAINERS	SAMPLE DATE	
SEND REPORT TO: John Dinsla	NUMBER:	SAMPLE TIME	SAMPLE MATRIX	
ADDRESS:	LOCATION:	CONTAINER TYPE	PRES.	
PHONE: (949) 850-1450	FAX: (949) 852-9011	SAMPLED BY: Anderson Cheng		
SAMPLE ID: PSD-CBA	1	8/2/91	H2B soil 407	
X				
Total No. of Samples: 1		Method of Shipment: Delivery		Reporting Format: (check)
Relinquished By: Anderson Cheng	Date/Time: 8/2/91 15:35	Received By:	Date/Time:	NORMAL _____ S.D. HMMD _____
Relinquished By: Anderson Cheng	Date/Time:	Received By:	Date/Time:	RWQCB _____ OTHER _____
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time: 8-2-91 15:35	Sample Integrity: (check) intact _____ on ice _____

ANALYSIS METHOD
ORIGIN: (601C)

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Tustin, CA 92780
(714) 832-0064, Fax (714) 832-0067



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Phoenix, AZ 85040
(602) 736-0960 Fax (602) 736-0970

Lab Job No: _____
Page _____ of 1

REQUIRED TAT: 4-hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION						ANALYSIS/METHOD						RELEASER/REQUEST						REMARKS/PRECAUTIONS					
COMPANY: <u>Doctor of Tests I</u>	PROJECT NAME: <u>PC test D</u>	NO. OF CONTAINERS: 1	SAMPLE DATE: <u>8/14/99</u>	SAMPLE TIME: <u>0843</u>	SAMPLE MATRIX: <u>SO.1</u>	CONTAINER TYPE: <u>4-oz</u>	PRES.:																		
SEND REPORT TO: <u>Doctor of Tests I</u>	NUMBER:																								
ADDRESS:	LOCATION:																								
PHONE: (949) 852-9050 FAX: (949) 852-9011		SAMPLED BY: <u>Anderson Cheng</u>																							
SAMPLE ID		NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.																		
<u>PC-D-C34A</u>	1																								
<u>PC-D-C50</u>				<u>0846</u>																					
<u>PC-D-C42A</u>				<u>0853</u>																					
<u>PC-D-(C5)</u>				<u>0859</u>																					
<u>PC-D-C52</u>				<u>0903</u>																					
Method of Shipment:								Reporting Format: (check)																	
Total No. of Samples:				Date/Time:				Received By:				Date/Time:				NORMAL _____				S.D. HMMRD _____					
Relinquished By: <u>Anderson Cheng</u>				<u>8/14/99 / 0956</u>				Received By: <u>John G.</u>				Date/Time: <u>8-14-99 0956</u>				RWQCB _____				OTHER _____					
Relinquished By: <u>John G.</u>				Received For Lab By: <u>John G.</u>				Date/Time: <u>8-14-99 0956</u>				Sample Integrity: (check) <input checked="" type="checkbox"/> intact <input type="checkbox"/> on ice													

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.



INTEGRATED
ENVIRONMENTAL SERVICES, INC.

APPENDIX F

LABORATORY REPORTS FOR AIR MONITORING SAMPLING

PARCEL D

SITE INVESTIGATION AND EXCAVATION

BOEING REALTY CORPORATION

C-6 FACILITY

SEPTEMBER 1999

LABORATORY REPORT

Report No.: 994238

Purchase Order:

External No.:

JOANN ORNELAS
INTEGRATED ENVIRONMENTAL SERVICES, INC
3990 WESTERLY PLACE STE 210
NEWPORT BEACH, CA 92660

Date Received : 02-JUL-99
Date Completed : 06-JUL-99
Date Sent : 06-JUL-99
Page # 1 of 1

Sample Description : 1- MCE FILTER CASSETTE

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	Arsenic (ug)	Arsenic (mg/m3)
196001	PAR D - S1 P	392.00	<2	<0.005
Detection Limit			2	

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : AI

Ref : AI_4155

Reviewed by:

Tawfeeq Zankry
Tawfeeq Zankry

Technical Approval:

Jaime Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

10771 Noel St., Los Alamitos, CA 90720 714/220-3922 FAX 714/220-2081 e-mail hsa@earthlink.net

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LABORATORY REPORT

Report No.: 994395

Purchase Order:

External No.:

JOANN ORNELAS
INTEGRATED ENVIRONMENTAL SERVICES, INC
3990 WESTERLY PLACE STE 210
NEWPORT BEACH, CA 92660

Date Received : 15-JUL-99
Date Completed : 16-JUL-99
Date Sent : 20-JUL-99
Page # 1 of 1

Sample Description : 2- MCE FILTER CASSETTE SAMPLES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
196870	PARD-S3P	366.00	<2	<0.005
196871	PARD-S4P	120.00	<2	<0.02

Detection Limit 2

Remarks : Sample(s) and sampling data as provided
by JOANN ORNELAS

Analyst : SH

Ref : AI_4395

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zankry

Tawfeeq Zankry

Technical Approval: Jaime Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

10771 Noel St., Los Alamitos, CA 90720 714/220-3922 FAX 714/220-2081 e-mail hsa@earthlink.net

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LABORATORY REPORT

Report No.: 994345
Purchase Order:
External No.:

JOANN ORNELAS
INTEGRATED ENVIRONMENTAL SERVICES, INC
3990 WESTERLY PLACE STE 210
NEWPORT BEACH, CA 92660

Date Received : 13-JUL-99
Date Completed : 13-JUL-99
Date Sent : 19-JUL-99
Page # 1 of 1

Sample Description : 1- MCE FILTER CASSETTE

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	Arsenic (ug)	Arsenic (mg/m3)
196694	PARD-S2	426.00	<2	<0.005
Detection Limit			2	

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : SH

Ref : SH_4345

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zanky
Tawfeeq Zanky
Technical Approval: Jaime Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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LABORATORY REPORT

Report No.: 994417

Purchase Order:

External No.:

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3990 WESTERLY PLACE STE 210
NEWPORT BEACH, CA 92660

Date Received : 16-JUL-99
Date Completed : 19-JUL-99
Date Sent : 21-JUL-99
Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
196930	PARD-716-1P	960.00	<2	<0.002
196931	PARD-716-2P	960.00	<2	<0.002
196932	PARD-716-3P	960.00	<2	<0.002
196933	PARD-S5-P	516.00	<2	<0.004
196934	PARD-S6-P	468.00	<2	<0.004
Detection Limit			2	

Detection Limit

2

Remarks : Sample(s) and sampling data as provided by ANDERSON CHENG

Analyst : SH

Ref : SH_4417

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zainky
Tawfeeq Zainky
Technical Approval: Jaime Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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LABORATORY REPORT

Report No.: 994430

Purchase Order:

External No.:

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NEWPORT BEACH, CA 92660

Date Received : 19-JUL-99

Date Completed : 20-JUL-99

Date Sent : 22-JUL-99

Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197008	PARD-719-1P	960.00	<2	<0.002
197009	PARD-719-2P	960.00	<2	<0.002
197010	PARD-719-3P	960.00	<2	<0.002
197011	PARD-S7P	1000.00	<2	<0.002
197012	PARD-S8P	1010.00	<2	<0.002

Detection Limit

2

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : SH

Ref : SH_4430

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeed Zanky
Tawfeed Zanky
Technical Approval: Jai Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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LABORATORY REPORT

Report No.: 994457

Purchase Order:

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Date Received : 20-JUL-99
Date Completed : 21-JUL-99
Date Sent : 22-JUL-99
Page # 1 of 1

Sample Description : 4- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197233	PARD-720-1P	960.00	<2	<0.002
197234	PARD-720-2P	960.00	<2	<0.002
197235	PARD-720-3P	960.00	<2	<0.002
197236	PARD-S9P	914.00	<2	<0.002
Detection Limit		2		

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : SH

Ref : SH_4457

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeed Zankly
Tawfeed Zankly
Technical Approval: Jaimie Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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LABORATORY REPORT

Report No.: 994482

Purchase Order:

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Date Received : 21-JUL-99
Date Completed : 22-JUL-99
Date Sent : 22-JUL-99
Page # 1 of 1

Sample Description : 4- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197421	PARD-721-1P	960.00	<2	<0.002
197422	PARD-721-2P	960.00	<2	<0.002
197423	PARD-721-3P	960.00	<2	<0.002
197424	PARD-S10P	970.00	<2	<0.002
Detection Limit			2	

Detection Limit

2

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : SH

Ref : SH_4482

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zankry
Tawfeeq Zankry
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Laboratory Director, Jaime Steedman-Lyde

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Health Science Associates

LABORATORY REPORT

Report No.: 994542

Purchase Order:

External No.:

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Date Received : 26-JUL-99
Date Completed : 27-JUL-99
Date Sent : 28-JUL-99
Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197726	PARD-726-1P	840.00	<2	<0.002
197727	PARD-726-2P	840.00	<2	<0.002
197728	PARD-726-3P	840.00	<2	<0.002
197729	PARD-S15P	796.00	<2	<0.002
197730	PARD-S16P	916.00	<2	<0.002
Detection Limit			2	

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : AI

Ref : AI_4542

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zanki
Tawfeeq Zanki
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Laboratory Director: Jaime Steedman-Lyde

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BOE-C6-0008214

LABORATORY REPORT

Report No.: 994508

Purchase Order:

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Date Received : 22-JUL-99
Date Completed : 23-JUL-99
Date Sent : 26-JUL-99
Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197559	PARD-S11P	930.00	<2	<0.002
197560	PARD-S12P	938.00	<2	<0.002
197561	PARD-722-1P	960.00	<2	<0.002
197562	PARD-722-2P	960.00	<2	<0.002
197563	PARD-722-3P	960.00	<2	<0.002
Detection Limit			2	

Detection Limit

2

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : SH

Ref : SH_4508

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zankry
Tawfeeq Zankry
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Laboratory Director, Jaime Steedman-Lyde

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LABORATORY REPORT

Report No.: 994517

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Date Received : 23-JUL-99
Date Completed : 26-JUL-99
Date Sent : 26-JUL-99
Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197599	PARD-723-1P	720.00	<2	<0.003
197600	PARD-723-2P	720.00	<2	<0.003
197601	PARD-723-3P	720.00	<2	<0.003
197602	PARD-S13P	710.00	<2	<0.003
197603	PARD-S14P	696.00	<2	<0.003

Detection Limit

2

Remarks : Sample(s) and sampling data as provided
by JOANN ORNELAS

Analyst : SH

Ref : SH_4517

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zanki
Tawfeeq Zanki
Technical Approval: Jaime Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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Report No.: 994555

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Date Received : 27-JUL-99
Date Completed : 29-JUL-99
Date Sent : 30-JUL-99
Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197781	PARD-727-1P	960.00	<2	<0.002
197782	PARD-727-2P	960.00	<2	<0.002
197783	PARD-727-3P	960.00	<2	<0.002
197784	PARD-S17P	868.00	<2	<0.002
197785	PARD-S18P	938.00	<2	<0.002
Detection Limit			2	

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : AI

Ref : AI_4555

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zankry
Tawfeeq Zankry
Technical Approval: Jaime Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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Health Science Associates

LABORATORY REPORT

Report No.: 994562

Purchase Order:

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Date Received : 28-JUL-99
Date Completed : 29-JUL-99
Date Sent : 30-JUL-99
Page # 1 of 1

Sample Description : 5- MCE FILTER CASSETTES

Method of Analysis : Inductively coupled argon plasma, atomic emission spectroscopy (NIOSH 7300)

Sample Number	Submitter Number	Air Volume (Liters)	(ug)	Arsenic (mg/m3)
197824	PARD-728-1P	900.00	<2	<0.002
197825	PARD-728-2P	900.00	<2	<0.002
197826	PARD-728-3P	900.00	<2	<0.002
197827	PARD-S19P	892.00	<2	<0.002
197828	PARD-S20P	900.00	<2	<0.002
Detection Limit			2	

Detection Limit

2

Remarks : Sample(s) and sampling data as provided
by ANDERSON CHENG

Analyst : AI

Ref. : AI_4555

California ELAP No.: 1406
AIHA Accreditation No.: 172
NVLAP Accreditation No.: 101384
AIHA ELLAP Accreditation No.: 10985
LACSD Lab No.: 10125

Reviewed by: Tawfeeq Zainky
Tawfeeq Zainky
Technical Approval: Jaimie Steedman-Lyde
Laboratory Director, Jaime Steedman-Lyde

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